

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MAINE, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 32.9.]

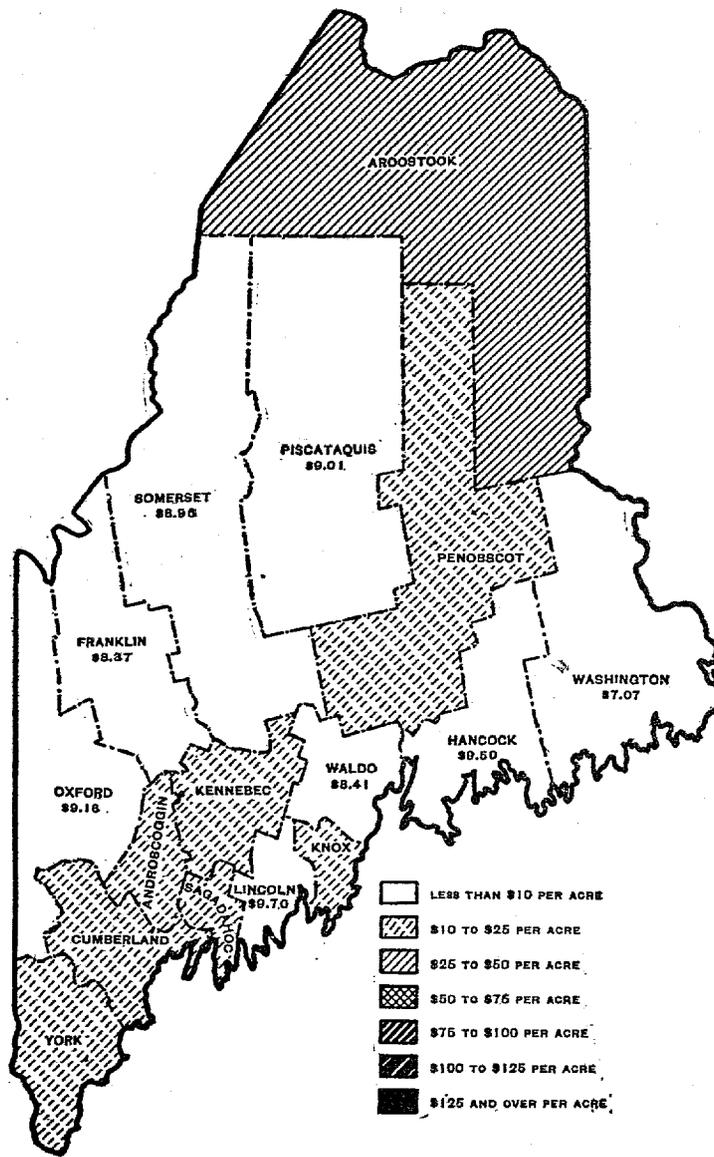
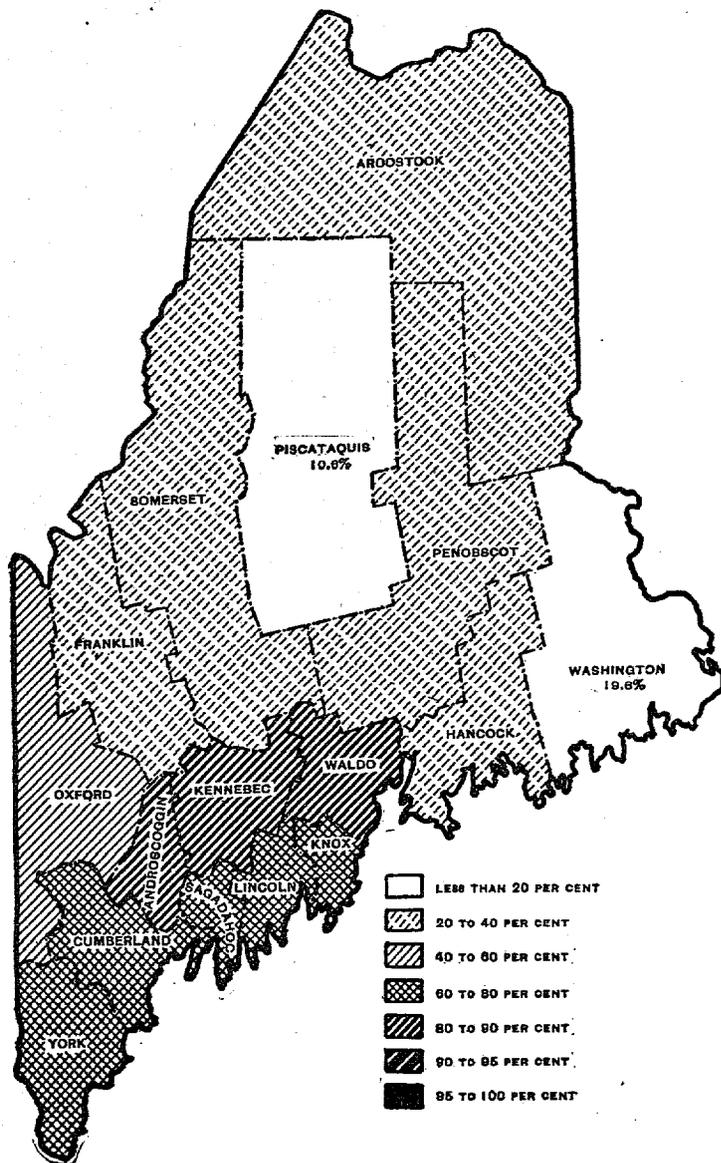
The per cent of area in farms when less than 20 is inserted under the county name.

AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$13.73.]

When the value is less than \$10 per acre it is inserted under the county name.

(869)



MAINE.

FARMS AND FARM PROPERTY.

Maine ranks thirty-ninth in area and thirty-fourth in population among the states of continental United States. From the standpoint of agricultural development it long ago passed out of the class of states having a large area of land suitable for cultivation by the prevailing methods and not yet so utilized. The river valleys are quite productive, but a considerable part of the state is rugged and relatively barren. One of these valleys contains the largest area of fertile farming land in New England.

The two maps on the opposite page show, for the different counties, the proportion of the total land area which is in farms and the average value of farm land per acre. Of the state's entire land area, one-third is in farms, and, as shown by the first map, in

three counties over four-fifths of the total land area is in farms, while in two counties only does the proportion fall below one-fifth.

The average value of farm land per acre for the whole state is \$13.73, and, as shown by the second map, the state has two areas of land worth less than \$10 per acre. They are separated by a third, in which land values range from \$10 to \$25 per acre, while still another in the northern part of the state averages more than \$25 per acre in value.

Progress during the decade 1900 to 1910.—The following table summarizes, for the state, the more significant facts relating to its population and land area, the number, value, and acreage of its farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE. ¹	
			Amount.	Per cent.
Population.....	742,371	694,466	47,905	6.9
Number of all farms.....	60,016	59,299	717	1.2
Approximate land area of the state..... acres	19,132,800	19,132,800		
Land in farms..... acres	6,296,859	6,299,946	-3,087	-(²)
Improved land in farms..... acres	2,360,657	2,336,889	-26,232	-1.1
Average acres per farm.....	104.9	106.2	-1.3	-1.2
Value of farm property:				
Total.....	\$199,271,998	\$122,410,904	\$76,861,094	62.8
Land.....	86,481,395	49,359,450	37,121,945	75.2
Buildings.....	73,138,231	47,142,700	25,995,531	55.1
Implements and machinery.....	14,490,533	8,802,720	5,687,813	64.6
Domestic animals, poultry, and bees.....	25,161,839	17,106,034	8,055,805	47.1
Average value of all property per farm.....	\$3,320	\$2,064	\$1,256	60.9
Average value of land per acre.....	\$13.73	\$7.88	\$5.90	75.4

¹ A minus sign (-) denotes decrease.

² Less than one-tenth of 1 per cent.

During the 10 years the increase in population was 47,905, or 6.9 per cent, while the number of farms increased 717, or 1.2 per cent. During the same period there was a decrease of 3,087 acres in farm land, accompanied by a decrease of 1.3 acres in the average size of farms. It should be noted that during the decade the percentage of increase in population was nearly six times that in the number of farms.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), increased in value during the decade nearly \$77,000,000, or 62.8 per cent. This increase is chiefly made up of advances of about \$26,000,000 in the value of buildings, and over \$37,000,000 in that of land—the latter representing an advance of 75.4 per cent in average value per acre. There is also an increase of almost \$14,000,000 in the value of farm equipment, including implements and machinery and live stock, of which about three-fifths represents a gain in the value of live stock and the remainder the increase in the value of implements and

machinery. In considering the increase in values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was less than \$2,100, while 10 years later it was over \$3,300. The average value of land rose from about \$8 per acre in 1900 to nearly \$14 in 1910, this rise being accompanied by increases in the average value per farm of implements and machinery and of live stock.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, the acreage of farm land and of improved land in farms, the percentage of the land area which was in farms, and the percentage of farm land improved, and also shows the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Population.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land improved.
		Number.	Per cent of increase. ¹	All land.		Improved land (acres).		
				Acres.	Per cent of increase. ¹			
1910....	742,371	60,016	1.2	6,296,859	— ⁽²⁾	2,360,657	32.9	37.5
1900....	694,466	59,299	-4.4	6,299,940	1.9	2,386,889	32.9	37.9
1890....	661,086	62,013	-3.6	6,179,925	-5.7	3,044,606	32.3	49.3
1880....	648,936	64,309	7.5	6,552,578	12.2	3,484,908	34.2	53.2
1870....	626,915	59,804	7.4	5,838,058	1.9	2,917,793	30.5	50.0
1860....	628,279	55,698	19.1	5,727,671	25.7	2,704,133	29.9	47.2
1850....	583,169	46,760	.....	4,555,393	.....	2,039,596	23.8	44.8

¹ A minus sign (-) denotes decrease. ² Less than one-tenth of 1 per cent.

In the 60 years since 1850 the population of the state has increased by 159,202, or 27.3 per cent.

There was an increase in the number of farms at each census from 1850 to 1880, the total increase during the 30-year period being 17,549. During the 20 years from 1880 to 1900, however, the number decreased 5,010, or an average of 250 per year. Since 1900 there has been an increase averaging 72 per year. Washington and Hancock Counties show the largest relative increase in number of farms during the last decade, while several counties show decreases.

The land surface of Maine is approximately 19,132,800 acres. Of this area, 6,296,859 acres, or 32.9 per cent, are included in farms. Of the farm acreage, 2,360,657 acres, or 37.5 per cent, are reported as improved land, representing 12.3 per cent of the total land area of the state. The total acreage of farm land decreased slightly during the last decade. The reported acreage of improved land decreased from 1900 to 1910 by a slightly higher percentage than the total acreage of farms, but the per cent of farm land improved was substantially the same in both census years.

The table given above shows also an increase from 1850 to 1880 in the total farm acreage and in the acreage of improved land. Of the total land area of the state the proportion which was occupied by farms rose during this period from 23.8 per cent to 34.2 per cent, while the proportion which improved land formed of the total land in farms increased from 44.8 to 53.2. Since 1880, however, the proportion of the state's land area which was included in farms decreased from 34.2 to 32.9 per cent. During the same 30-year period there has been a continuous decrease in the reported acreage of improved land, and a considerable net decrease in the total acreage in farms. The decrease in acreage of improved land doubtless represents a change in the classification of land by many farmers, who now report as "unimproved land" a considerable acreage which was formerly reported as "improved." The total farm acreage has shown a net decrease since 1880, although it gained slightly between 1890 and 1900, while during the last decade there has been a slight decrease.

Values of farm property: 1850 to 1910.—The agricultural changes in Maine since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹	Value.	Per cent of increase.	Value.	Per cent of increase. ¹
1910....	\$199,271,998	62.8	\$159,619,626	65.4	\$14,490,533	64.6	\$25,161,839	47.1
1900....	122,410,904	0.1	96,562,150	-2.1	8,802,720	60.1	17,106,034	-6.4
1890....	122,347,283	-1.2	98,567,730	-3.7	5,499,413	11.1	18,280,140	10.8
1880....	123,805,039	18.0	102,357,615	24.3	4,948,048	28.6	16,499,376	-11.7
1870 ²	104,902,554	7.7	82,369,561	4.7	3,547,290	16.6	16,685,703	21.0
1860....	97,424,385	45.7	78,688,525	43.4	3,298,327	44.4	15,437,533	59.1
1850....	66,822,081	.....	54,861,748	.....	2,284,557	.....	9,705,728	.....

¹ A minus sign (-) denotes decrease.

² Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is nearly \$200,000,000, of which about four-fifths is represented by land and buildings, 7.3 per cent by implements and machinery, and 12.6 per cent by live stock. During the last decade the total value of farm property increased by \$76,861,000, or 62.8 per cent. Of this increase, \$63,117,000 represents the increase in the value of land and buildings, \$5,688,000 the increase in that of implements and machinery, and \$8,056,000 the increase in that of live stock. The relative gain in the total value of farm property during the decade from 1900 to 1910 was greater than in any other decade since 1850, while the absolute amount of the gain was more than double that reported for any previous decade.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Maine farms and the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	104.9	\$3,320	\$2,660	\$241	\$419	\$25.35
1900.....	106.2	2,064	1,627	148	289	15.32
1890.....	99.7	1,973	1,589	89	295	15.95
1880.....	101.9	1,925	1,592	77	257	15.62
1870 ²	97.6	1,754	1,377	64	312	14.11
1860.....	102.8	1,749	1,413	59	277	13.74
1850.....	97.4	1,430	1,173	49	208	12.04

¹ Averages are based on "all farms" in state.

² Computed gold values, being 80 per cent of the currency values reported.

The average size of the Maine farm has not changed greatly in the 60 years since 1850, varying from a minimum of 97.4 acres in that year to a maximum of 106.2 acres in 1900. The average size is now 104.9

case of wool. The total production of eggs in 1909, including these estimates, was 14,936,000 dozens, valued at \$3,792,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 2,602,000 fowls, valued at \$1,455,000.

Honey and wax: 1909.—Although, as noted elsewhere, 1,371 farms reported 7,592 colonies of bees on hand April 15, 1910, 533 of these farms, with 1,342 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 112,051 pounds of honey, valued at \$20,016, and 2,260 pounds of wax, valued at \$670; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by Maine farmers during the year 1909, with certain items for 1899.

The total value of domestic animals sold during 1909 was \$6,531,000, and that of animals slaughtered on farms \$1,889,000, making an aggregate of \$8,420,000. This total, however, involves considerable duplication resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented nearly three-fifths of the total value of all animals sold.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms re-

porting and the total value of those slaughtered during 1899, which amounted, respectively, to \$2,372,000 and \$1,259,000. The item of sale is not closely comparable with that for 1909, when the inquiry covered all sales, whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farm reporting.

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$6,531,033	
Slaughtered.....				1,888,888	
Calves:					
Sold.....	21,607	36.0	98,577	692,921	\$7.08
Slaughtered.....	2,374	4.8	27,396	220,308	8.04
Other cattle:					
Sold.....	19,842	33.1	83,932	3,065,320	36.52
Slaughtered.....	4,513	7.5	18,755	501,255	26.73
Horses:					
Sold.....	4,758	7.9	12,003	1,775,688	147.94
Mules:					
Sold.....	25	(¹)	44	6,580	149.55
Asses and burros:					
Sold.....	3	(¹)	6	148	24.67
Swine:					
Sold.....	10,628	17.7	88,167	668,587	7.58
Slaughtered.....	24,404	40.7	47,319	1,073,208	22.68
Sheep:					
Sold.....	5,978	10.0	89,522	320,533	3.58
Slaughtered.....	1,997	3.3	23,277	63,970	4.04
Goats:					
Sold.....	44	0.1	313	1,250	3.99
Slaughtered.....	14	(¹)	40	147	3.08
1899—All domestic animals:					
Sold.....				2,371,717	
Slaughtered.....				1,258,504	

¹ Less than one-tenth of 1 per cent.

² Schedules called for receipts from sales of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$39,318,000. Of this amount, 80 per cent was contributed by crops for which the acreage, as well as the value, was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard

fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 1,588,065, representing 67.3 per cent of the total improved land in farms (2,360,657 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of Maine agriculture is indicated by the fact that only 7.9 per cent of the total value of crops in 1909 was contributed by the cereals, while nearly two-fifths (38.4 per cent) was contributed by hay and forage and nearly one-third (31.5 per cent) by potatoes and other vegetables. The remainder, representing in value about 22 per cent of the total, consisted mostly of forest products and fruits and nuts.

The total value of crops in 1909 was 79.1 per cent greater than that in 1899. This increase was clearly due to higher prices, as the quantity of the most important

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	6,296,859	6,299,946	2,360,657	2,386,889	\$159,619,628	\$96,502,150
Under 20 acres.....	67,517	56,657	49,008	39,568	11,570,427	5,778,120
20 to 49 acres.....	314,397	317,627	154,846	160,068	15,302,117	10,816,170
50 to 99 acres.....	1,246,571	1,297,754	553,516	564,721	36,562,364	24,759,030
100 to 174 acres.....	2,078,196	2,127,393	838,328	845,601	50,555,750	30,296,060
175 to 499 acres.....	2,041,995	2,009,634	678,640	678,276	39,190,736	21,328,510
500 to 999 acres.....	284,828	306,709	61,914	70,959	4,161,055	2,372,550
1,000 acres and over..	263,355	184,172	24,405	27,636	2,277,177	1,151,710

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres.....	11.9	8.9	1.1	0.9	2.1	1.7	7.2	6.0
20 to 49 acres.....	15.8	15.6	5.0	5.0	6.6	6.7	9.6	11.2
50 to 99 acres.....	29.8	31.4	19.8	20.6	23.4	23.7	22.9	25.7
100 to 174 acres.....	27.7	29.0	33.0	33.8	35.5	35.4	31.7	31.4
175 to 499 acres.....	13.8	13.9	32.4	31.9	28.7	28.4	24.6	22.1
500 to 999 acres.....	0.8	0.9	4.5	4.9	2.6	3.0	2.6	2.5
1,000 acres and over.....	0.2	0.2	4.2	2.9	1.0	1.2	1.4	1.2

Of the total farm acreage of the state in 1910, 33 per cent was in farms of 100 to 174 acres, and 32.4 per cent in farms of 175 to 499 acres, these two being from the standpoint of aggregate acreage the most important size groups. The distribution of farm acreage by size groups was about the same in 1910 as in 1900, the most noteworthy change perhaps being the increase in the proportion of the total acreage which was in farms of 1,000 acres and over.

In general, as shown by the next table, the percentage of farm land improved diminishes as the size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	37.5	37.9	\$2,660	\$1,627	\$25.35	\$15.32
Under 20 acres.....	72.6	69.8	1,627	1,069	171.37	101.98
20 to 49 acres.....	49.3	50.4	1,612	1,167	48.07	34.05
50 to 99 acres.....	44.4	43.5	2,043	1,328	29.33	19.08
100 to 174 acres.....	40.3	39.8	3,039	1,762	24.33	14.24
175 to 499 acres.....	33.2	33.8	4,726	2,582	19.19	10.61
500 to 999 acres.....	21.7	23.1	9,026	4,598	14.61	7.74
1,000 acres and over.....	9.3	15.0	17,653	10,103	8.65	6.25

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made in the census of agriculture to secure information concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Owners.	Tenants.	Managers.	Per cent of total.		
	Number.	Per cent distribution.				Owners.	Tenants.	Managers.
Total.....	60,016	100.0	56,454	2,563	999	94.1	4.3	1.7
Native white.....	55,014	91.7	51,798	2,286	930	94.2	4.2	1.7
Foreign-born white.	4,973	8.3	4,631	274	68	93.1	5.5	1.4
Negro and other nonwhite.....	29	(¹)	25	3	1	86.2	10.3	3.4

¹ Less than one-tenth of 1 per cent.

More than nine-tenths of the Maine farmers were in 1910 native whites, and less than one-tenth foreign-born whites. Only 29, or less than 0.1 per cent of all farmers, were other than white; these include 28 negroes and 1 Indian. Of the native-born white farmers, 94.2 per cent were owners; and of the foreign-born white farmers, 93.1 per cent.

Of the 4,973 foreign-born white farmers in Maine in 1910, 3,628 were born in Canada; 351 in Sweden; 277 in England; 174 in Ireland; 116 in Denmark; 106 in Scotland; and 100 in Germany. Other European countries were represented by a total of 213 farmers, and non-European countries, other than Canada, by 8.

in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

The next table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Per cent of all farms.	Number.	Value.	Average value.
Total.....	53,280	88.8	.....	\$23,989,561	.....
Cattle	47,664	79.4	256,523	7,784,384	\$30.35
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	46,944	78.2	156,819	5,874,228	37.46
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	8,910	14.8	17,975	393,705	21.90
Heifers born in 1909.....	15,598	26.0	27,346	386,897	14.15
Calves born after Jan. 1, 1910.....	16,983	28.3	31,901	229,739	7.20
Steers and bulls born in 1909.....	4,800	8.0	8,172	142,741	17.47
Steers and bulls born before Jan. 1, 1909.....	6,302	10.5	14,310	757,074	52.91
Horses	47,822	78.8	107,574	14,364,788	133.83
Mares, stallions, and geldings born before Jan. 1, 1909.....	47,181	78.6	103,505	14,076,531	136.00
Colts born in 1909.....	3,250	5.4	3,705	270,476	73.00
Colts born after Jan. 1, 1910.....	325	0.5	364	17,749	48.76
Mules	212	0.4	358	72,446	202.36
Mules born before Jan. 1, 1909.....	199	0.3	342	71,431	208.86
Mule colts born in 1909.....	10	(¹)	11	745	67.73
Mule colts born after Jan. 1, 1910.....	5	(¹)	5	270	54.00
Asses and burros	18	(¹)	22	3,728	189.45
Swine	24,852	41.4	87,156	948,094	10.88
Hogs and pigs born before Jan. 1, 1910.....	21,860	36.4	54,326	804,965	14.82
Pigs born after Jan. 1, 1910.....	6,364	10.6	32,830	143,129	4.36
Sheep	11,060	18.4	206,434	813,976	3.94
Ewes born before Jan. 1, 1910.....	10,839	18.1	143,738	655,661	4.56
Rams and wethers born before Jan. 1, 1910.....	2,731	4.6	6,196	32,643	5.27
Lambs born after Jan. 1, 1910.....	6,425	10.7	56,500	125,672	2.22
Goats	147	0.3	582	2,177	3.74

¹ Less than one-tenth of 1 per cent.

Of all the farms in the state, 79.4 per cent report cattle, 78.2 per cent "dairy cows," and only 14.8 per cent "other cows." Less than 2 per cent of the farms reporting cattle have no dairy cows. The farms reporting dairy cows show an average of about three per farm. The total number of cows decreased materially during the decade, while the average value of dairy cows increased from \$29.15 to \$37.46.

The census of 1900 was taken as of June 1, after all the spring calves were born; while that of 1910 was taken as of April 15, before the close of the calving season, and when the calves on hand were on the average younger than at the enumeration of 1900. As a result the calves enumerated were fewer in number in 1910 than in 1900, the number decreasing from 61,794 to 31,901. The average value per head, however, increased from \$6.65 to \$7.20.

Horses are reported by 78.8 per cent of all the farms in the state, but only 5.4 per cent report colts born in 1909, and only 0.5 per cent report spring colts. The average value of spring colts is a little more than one-

third, and that of yearlings slightly more than one-half, that of mature horses, which is \$136.

Less than one farmer out of two hundred reports mules, mule colts, asses, or burros. The average values of mule colts are about the same as those of horse colts, but mature mules are valued at one and one-half times as much as mature horses.

Sheep and lambs are reported from 11,060 farms, or 18.4 per cent of all farms in the state. Of these 11,060 farms 58.1 per cent report spring lambs. The number of the latter is 39.3 per cent of the number of ewes; this comparatively small proportion is doubtless due to the early date of enumeration. Ewes are reported from all but 221 of the farms reporting sheep, and for the farms reporting the average is 13 per farm. The farms reporting rams and wethers show an average of more than 2 per farm.

Of all farms, 41.4 per cent report swine, showing an average of over 3 per farm. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is nearly \$15, while that of spring pigs is less than one-third as much.

Poultry on farms: 1910 and 1900.—The following table gives the number of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15).				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Per cent of all farms.			
Total	46,440	77.4	1,735,962	\$1,131,921	1,588,564
Chickens.....	46,185	77.0	1,704,900	1,093,954	1,504,353
Turkeys.....	915	1.5	2,948	7,619	6,437
Ducks.....	1,519	2.5	6,311	6,109	9,708
Geese.....	1,057	1.8	4,021	8,094	4,586
Guinea fowls.....	1,073	1.8	13,340	8,728	(¹)
Pigeons.....	287	0.5	4,436	2,382	(¹)
Peafowls.....	2	(²)	6	35	(³)

¹ Included with chickens. ² Not reported. ³ Less than one-tenth of 1 per cent.

The value of fowls on Maine farms increased in the 10 years, 1900 to 1910, from \$756,000 to \$1,132,000, a gain of 49.7 per cent, while the corresponding increase in the number of fowls is only 9.5 per cent. The number of farms reporting poultry decreased from 48,043 to 46,440, while the average number of fowls per farm reporting increased from 33 to 37. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind, as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees decreased from 2,496 in 1900 to 1,371 in 1910, or 45.1 per cent. The number of colonies of bees decreased from 10,857 to 7,592, or 30.1 per cent, and the value decreased from \$51,500 to \$40,400, or 21.6 per cent. The relative decrease in the number of colonies is smaller than that in the number of farms

reporting. The average value of bees per farm reporting was \$20.62 in 1900 and \$29.44 in 1910. Slightly over two farms in every hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the next table age groups are omitted for the sake of brevity, but it may be noted that in cities and villages a comparatively small proportion of the animals of each class are in the younger age groups.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total	18,438		\$4,796,026	
All cattle.....	6,626	9,700	362,654	\$37.39
Dairy cows.....	6,423	7,879	328,221	41.66
Horses.....	14,806	29,622	4,341,987	146.58
Mules.....	25	67	15,106	225.46
Asses and burros.....	15	19	1,460	76.84
Swine.....	2,650	5,668	67,261	11.87
Sheep.....	234	2,023	7,331	3.62
Goats.....	26	39	227	5.82

As would be expected, horses are by far the most important class of domestic animals not on farms, both

in number and in value; cattle, consisting mainly of dairy cows, rank next in importance.

Domestic animals on farms and not on farms: 1910.—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
Total		\$28,786,587		\$23,989,561		\$4,796,026
All cattle.....	266,223	8,147,038	250,523	7,784,354	9,700	362,654
Dairy cows.....	184,698	6,202,449	156,819	5,874,228	7,879	328,221
Horses.....	137,198	18,709,743	107,574	14,364,766	29,622	4,341,987
Mules.....	425	87,552	358	72,446	67	15,106
Asses and burros.....	41	5,188	22	3,728	19	1,460
Swine.....	92,824	1,015,355	87,150	948,094	5,668	67,261
Sheep.....	208,457	821,307	200,434	813,076	2,023	7,331
Goats.....	621	2,404	582	2,177	39	227

The total value of all domestic animals in the state in 1910 was \$28,786,000, of which the value of animals not on farms represented 16.7 per cent. The number of horses on farms was nearly four times greater than the number not on farms.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the production of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown further on, the net value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The next table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899.

The number of farms reporting dairy cows on April 15, 1910, was 46,944, but only 42,885 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 37,591 (somewhat less than the total number

reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 126,000. The amount of milk reported was 56,026,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 445 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms, April 15, 1910.....	46,944	78.2	156,819	Head.		
On farms reporting dairy products in 1909.....	42,885	71.5	148,279	Head.		
On farms reporting milk produced in 1909.....	37,591	62.6	126,001	Head.		
Specified dairy products, 1909:						
Milk reported.....			56,026,334	Gals.		
Butter made.....	36,871	60.6	13,299,229	Lbs.	\$3,786,054	\$0.28
Cheese made.....	278	0.5	118,216	Lbs.	18,872	0.16
Milk sold.....	8,090	13.5	12,784,860	Gals.	2,518,384	0.20
Cream sold.....	2,124	3.5	737,706	Gals.	499,365	0.68
Butter fat sold.....	4,846	8.1	4,060,344	Lbs.	1,257,017	0.31
Butter sold.....	24,004	41.1	8,389,817	Lbs.	2,433,332	0.29
Cheese sold.....	157	0.3	94,244	Lbs.	14,681	0.16
Total receipts from sales, 1909.....					6,722,779	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					8,079,692	
Specified dairy products, 1899:						
Butter made.....	42,537	71.8	16,174,173	Lbs.		
Cheese made.....	867	1.5	425,102	Lbs.		
Butter sold.....			11,030,081	Lbs.	2,272,437	0.21
Cheese sold.....			365,936	Lbs.	41,794	0.11

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$8,080,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Considerably less than one-fourth of the milk produced in Maine in 1910 was sold as such. A comparatively large quantity of milk and cream was sold on the butter fat basis. The butter made on farms in 1909 was valued at \$3,786,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the present census. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, and a still greater relative decrease in the production of cheese.

Wool: 1909 and 1899.—The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:¹

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	10,984	149,634			
Wool produced, as reported, 1909.....	9,573		150,402	904,714	\$253,508
On farms reporting sheep, April 15, 1910.....	8,643	131,930	138,548	833,832	234,129
On other farms.....	930		11,854	70,882	19,439
Total production of wool (partly estimated):					
1909.....			157,455	947,622	266,080
1899.....			238,300	1,478,018	318,585
Decrease, 1899 to 1909.....			100,845	530,396	52,505
Per cent of decrease.....			39.0	35.9	16.5

The total number of sheep of shearing age in Maine on April 15, 1910, was 150,000, representing a decrease of 40.5 per cent as compared with the number on June 1, 1900 (252,000). The approximate produc-

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 2,341 farmers who reported the possession of 18,004 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

tion of wool during 1909 was 157,000 fleeces, weighing 948,000 pounds, and valued at \$266,000. Of these totals about 5 per cent represents estimates. The number of fleeces produced in 1909 was 39 per cent less than in 1899. The average weight per fleece in 1909 was 6 pounds, as compared with 5.7 pounds in 1899, and the average value per pound was 28 cents, as compared with 22 cents in 1899.

Goat hair and mohair: 1909 and 1899.—Although 147 farmers reported 582 goats and kids on their farms April 15, 1910, only 39 reported the production of goat hair or mohair during 1909. These farmers reported 168 fleeces, weighing 639 pounds and valued at \$207. Although the production is still unimportant, some increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms, April 15, 1910.....	46,440	1,735,962		
On farms reporting eggs produced in 1909.....	42,111	1,635,154		
On other farms.....	4,329	100,808		
Eggs produced, as reported, 1909.....	44,836		14,052,820	\$3,568,100
Total production of eggs (partly estimated):				
1909.....			14,035,959	3,792,335
1899.....			13,304,150	2,038,225
Increase, 1899 to 1909.....			1,031,809	1,754,110
Per cent of increase.....			12.3	86.1
Eggs sold, as reported, 1909.....	37,264		10,340,134	2,659,117
Fowls on farms, April 15, 1910:				
On farms reporting poultry raised in 1909.....	38,568	1,500,932		
On other farms.....	7,872	169,030		
Poultry raised, as reported, 1909.....	41,709		No. of fowls, 2,348,403	1,313,130
Total poultry raised (partly estimated):				
1909.....			2,601,733	1,454,815
1899.....				955,463
Increase, 1899 to 1909.....				499,347
Per cent of increase.....				52.3
Fowls sold, as reported, 1909.....	27,341		1,213,690	727,748

The total number of fowls on Maine farms on April 15, 1910, was 1,736,000. Of the 46,440 farms reporting fowls, 4,329 did not report any eggs produced in 1909 and 7,872 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 14,053,000 dozens, valued at \$3,568,000. According to the Twelfth Census reports the production of eggs in 1899 was 13,304,000 dozens, the value being \$2,038,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the

case of wool. The total production of eggs in 1909, including these estimates, was 14,936,000 dozens, valued at \$3,792,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 2,602,000 fowls, valued at \$1,455,000.

Honey and wax: 1909.—Although, as noted elsewhere, 1,371 farms reported 7,592 colonies of bees on hand April 15, 1910, 533 of these farms, with 1,342 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 112,051 pounds of honey, valued at \$20,016, and 2,260 pounds of wax, valued at \$670; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by Maine farmers during the year 1909, with certain items for 1899.

The total value of domestic animals sold during 1909 was \$6,531,000, and that of animals slaughtered on farms \$1,889,000, making an aggregate of \$8,420,000. This total, however, involves considerable duplication resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented nearly three-fifths of the total value of all animals sold.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms re-

porting and the total value of those slaughtered during 1899, which amounted, respectively, to \$2,372,000 and \$1,259,000. The item of sale is not closely comparable with that for 1909, when the inquiry covered all sales, whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farm reporting.

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$6,531,033	
Slaughtered.....				1,888,888	
Calves:					
Sold.....	21,607	36.0	98,577	692,921	\$7.08
Slaughtered.....	2,374	4.8	27,396	220,308	8.04
Other cattle:					
Sold.....	19,842	33.1	83,932	3,065,320	36.52
Slaughtered.....	4,513	7.5	18,755	501,255	26.73
Horses:					
Sold.....	4,758	7.9	12,003	1,775,688	147.94
Mules:					
Sold.....	25	(¹)	44	6,580	149.55
Asses and burros:					
Sold.....	3	(¹)	6	148	24.67
Swine:					
Sold.....	10,628	17.7	88,167	668,587	7.58
Slaughtered.....	24,404	40.7	47,319	1,073,208	22.68
Sheep:					
Sold.....	5,978	10.0	89,522	320,533	3.58
Slaughtered.....	1,997	3.3	23,277	63,970	4.04
Goats:					
Sold.....	44	0.1	313	1,250	3.99
Slaughtered.....	14	(¹)	40	147	3.68
1899—All domestic animals:					
Sold.....				2,371,717	
Slaughtered.....				1,258,504	

¹ Less than one-tenth of 1 per cent.

² Schedules called for receipts from sales of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$39,318,000. Of this amount, 80 per cent was contributed by crops for which the acreage, as well as the value, was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard

fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 1,588,065, representing 67.3 per cent of the total improved land in farms (2,360,657 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of Maine agriculture is indicated by the fact that only 7.9 per cent of the total value of crops in 1909 was contributed by the cereals, while nearly two-fifths (38.4 per cent) was contributed by hay and forage and nearly one-third (31.5 per cent) by potatoes and other vegetables. The remainder, representing in value about 22 per cent of the total, consisted mostly of forest products and fruits and nuts.

The total value of crops in 1909 was 79.1 per cent greater than that in 1899. This increase was clearly due to higher prices, as the quantity of the most important

products decreased. There was an increase of 2.9 per cent in the total acreage of crops for which acreage was reported, but this was almost wholly due to the

increase in the acreage of potatoes and other vegetables, all the other crops of any importance having decreased in acreage.

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase. ¹		1909	1899	1909	1899	Increase. ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$39,317,647	\$21,054,054	\$17,363,593	79.1	100.0	100.0
Crops with acreage reports.....	1,588,065	1,543,277	44,788	2.9	67.3	64.7	31,440,942	18,432,041	13,008,901	70.6	80.0	84.0	
Cereals.....	159,616	168,896	-7,280	-4.4	6.8	7.0	3,100,902	2,138,203	982,699	45.0	7.9	9.7	
Other grains and seeds.....	10,878	12,555	-1,677	-13.4	0.5	0.5	285,495	335,671	-50,070	-14.9	0.7	1.5	
Hay and forage.....	1,255,011	1,270,254	-15,243	-1.2	53.2	53.2	15,115,821	10,641,546	4,474,275	42.0	38.4	48.5	
Sugar crops.....	29	29	0	0	(2)	(2)	2,374	2,374	0	0	(2)	(2)	
Sundry minor crops.....	15	32	-17	(3)	(2)	(2)	1,260	470	790	108.1	(2)	(2)	
Potatoes.....	135,799	71,765	64,034	89.2	5.8	3.0	10,224,714	3,711,099	6,512,715	175.5	26.0	16.9	
Other vegetables.....	25,288	20,012	5,276	26.4	1.1	0.8	2,153,003	1,245,235	907,768	72.9	5.5	5.7	
Flowers and plants and nursery products.....	169	178	-9	-5.1	(2)	(2)	324,249	201,338	122,911	61.0	0.8	0.0	
Small fruits.....	1,260	1,535	-275	-20.5	0.1	0.1	233,124	157,670	75,445	47.8	0.6	0.7	
Crops with no acreage reports.....							7,876,705	3,522,013	4,354,692	123.6	20.0	16.0	
Seeds.....							2,494	0,892	-4,398	-63.8	(2)	(2)	
Fruits and nuts.....							2,215,116	4,841,811	1,873,305	103.1	5.6	3.8	
Maple sugar and sirup.....							52,137	15,920	36,217	227.5	0.1	0.1	
Forest products of farms.....							5,873,793	2,652,252	2,921,511	110.2	14.2	12.1	
Miscellaneous.....							33,195	5,138	28,057	546.1	0.1	(2)	

¹ A minus sign (-) denotes decrease.
² Less than one-tenth of 1 per cent.

³ Per cent not calculated when base is less than 100.
⁴ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The next table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$15,116,000; potatoes, \$10,225,000; oats, \$2,294,000, and corn, \$435,000. It should be noted, however, that some of the crops reported in the later tables are more important than corn.

The first crop in importance in both acreage and value is hay and forage, it being almost ten times as great in acreage and nearly 50 per cent greater in value than the potato crop, which is next in rank. Potatoes are a leading crop, having an acreage of over four-fifths that of all cereals combined and a value over three times as great.

Of the cereal crops by far the most important from the standpoint of acreage and value are oats, the acreage of this crop being between seven and eight times as great and the value over five times as great as corn, which is next in rank. The acreage of buckwheat is practically the same as that of corn, but the total value of the crop is less than one-half as great. Wheat occupies but a small place among the cereal crops of Maine. Of the 3,407 acres grown less than one-fifth is winter wheat. The amount of rye reported is insignificant. The reported production of corn is exaggerated to a slight extent, because some enumerators reported baskets of ear corn as bushels of corn. On

this account the figures here given may be revised in later census reports.

CROP.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total.....		159,616	5,395,168	Bu..	\$3,100,902
Corn.....	9,801	15,213	648,382	Bu..	434,331
Oats.....	22,029	120,091	4,232,309	Bu..	2,293,947
Wheat, total.....	1,433	3,407	95,119	Bu..	91,554
Common winter.....	239	615	17,150	Bu..	15,650
Common spring.....	1,193	2,789	67,895	Bu..	75,836
Durum or macaroni.....	2	3	68	Bu..	63
Emmer and spelt.....	22	25	587	Bu..	433
Barley.....	2,258	4,136	106,074	Bu..	86,230
Buckwheat.....	5,981	15,552	316,782	Bu..	180,616
Rye.....	109	292	4,815	Bu..	4,388
Other grains and seeds with acreage report, total¹.....		10,878	92,539	Bu..	285,495
Dry edible beans.....	15,788	10,341	87,665	Bu..	275,334
Dry peas.....	1,039	537	4,963	Bu..	10,134
Seeds with no acreage report, total².....					2,494
Timothy seed.....	74	(3)	360	Bu..	906
Clover seed.....	32	(3)	132	Bu..	563
Flower and garden seed.....	6	(3)	.....	.....	950
Hay and forage, total.....	57,953	1,255,011	1,113,095	Tons.	15,116,821
Timothy alone.....	9,621	166,080	143,855	Tons.	2,112,052
Timothy and clover mixed.....	33,112	643,189	559,293	Tons.	8,168,437
Clover alone.....	952	4,818	5,753	Tons.	77,401
Alfalfa.....	51	174	216	Tons.	2,873
Millet or Hungarian grass.....	4,895	10,641	16,793	Tons.	206,483
Other tame or cultivated grasses.....	19,507	380,351	258,789	Tons.	3,675,487
Wild, salt, or prairie grasses.....	2,857	24,557	21,148	Tons.	102,781
Grains cut green.....	7,095	13,388	25,059	Tons.	277,699
Coarse forage.....	5,101	11,753	81,227	Tons.	401,216
Root forage.....	232	60	962	Tons.	11,337
Potatoes.....	49,381	135,799	28,556,837	Bu..	10,224,714
Sundry minor crops, total ⁴		15	.....	.....	1,260

¹ Includes small amounts of flaxseed and peanuts.
² Includes small amount of "other tame grass seeds."
³ The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.
⁴ Includes small amounts of tobacco and hemp.

Of the hay and forage crops, "timothy and clover mixed" constitutes over half the total acreage, the next in order being "other tame or cultivated grasses," and "timothy alone" third. Comparatively little "clover alone" is reported, and alfalfa is extremely scarce.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Buck-wheat.	Hay and forage.	Potatoes.
1909.....	15,213	120,991	3,407	15,552	1,255,011	135,799
1899.....	16,856	108,661	6,667	25,292	1,270,254	71,765
1889.....	10,891	121,612	4,116	22,395	1,300,302	49,617
1879.....	30,997	78,785	43,829	20,135	1,279,299	70,179

The acreage of corn is but half what it was 30 years ago. Oats show a gain for the past decade, and are the only cereal showing an increase in extent for the whole 30-year period. The acreage of wheat decreased over 90 per cent from 1879 to 1889, and during the following decade made a slight gain, but by 1909 had reached the lowest point for the whole period.

The acreage of buckwheat increased from 1879 to 1899, but the decrease in the last decade has brought it below the 1879 figure to nearly the same acreage as is reported for corn. The acreage of potatoes was very little greater in 1899 than in 1879, but during the decade just ended the increase was very marked, bringing the acreage of 1909 up to nearly double that of 1879. The increase during the last decade was general, being shared by every county in the state except York. In 1909, as in 1899, over one-half the total acreage was in Aroostook County. Of the potatoes commercially grown, the greater quantity is produced in Aroostook and Penobscot Counties. The acreage of hay and forage has varied little during the 30 years, there being a slight increase from 1879 to 1889, after which time there was a decrease.

The next table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909.

But 1 farmer in every 6 raises corn, while the proportion reporting oats is more than twice as large. Barley is reported by about 1 farmer in every 25, and buckwheat by 1 in every 10. On the other hand, nearly all farmers report hay and forage, over one-fourth of them report beans, and more than four-fifths report potatoes. Of the cereals, the oat crop alone has an acreage exceeding 5 per cent of the improved land, none of the others occupying so much as 1 per cent. A little over one-half of the improved acreage is in hay

and forage, while nearly 6 per cent is in potatoes. Oats, potatoes, and beans show increases in acreage; all other crops, decreases. In value per acre corn and barley rank higher than oats and buckwheat.

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres, 1899 to 1909. ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899			
Corn.....	16.3	21.9	0.6	0.7	-9.7	42.7 Bu.	\$28.58
Oats.....	36.7	44.5	5.1	4.6	11.3	35.0 Bu.	18.95
Barley.....	3.8	9.0	0.2	0.4	-53.0	25.8 Bu.	20.85
Buckwheat.....	10.0	13.0	0.7	1.1	-38.5	20.4 Bu.	12.19
Dry edible beans.....	26.3	41.2	0.4	0.4	0.9	8.5 Bu.	26.63
Hay and forage.....	96.6	98.5	53.2	53.2	-1.2	0.89 Tons.	12.04
Potatoes.....	82.3	83.6	5.8	3.0	89.2	210.3 Bu.	75.29

¹ A minus sign (-) denotes decrease.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

CROP.	FARMS REPORTING, 1909		ACRES.		VALUE OF PRODUCTS.	
	Num-ber.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	145,116	75.2	25,288	20,012	\$2,153,008	\$1,245,235
Farms reporting a product of \$500 or over.....	243	0.4	1,534	.....	277,204	.....
All other farms.....	44,873	74.8	23,754	.....	1,875,799	.....
Flowers and plants, total.....	121	0.2	112	71	301,005	155,131
Farms reporting a product of \$250 or over.....	89	0.1	.....	.....	294,552	.....
All other farms.....	32	0.1	.....	.....	6,453	.....
Nursery products, total.....	17	(²)	57	107	23,244	46,207
Farms reporting a product of \$250 or over.....	4	(²)	.....	.....	20,743	.....
All other farms.....	13	(²)	.....	.....	2,501	.....

¹ Does not include 3,497 farms which reported that they had vegetable gardens, but gave no information as to their products.

² Less than one-tenth of 1 per cent.

In 1909 the total acreage of potatoes and other vegetables was 161,087 and their value \$12,378,000. Excluding (so far as reported separately ¹) potatoes and sweet potatoes and yams, the acreage of vegetables was 25,288 and their value \$2,153,000, both acreage and value being materially greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were in 1909 only 243 farms in the first class, representing about one-sixteenth of the total acreage of vegetables and about one-eighth of the total value, the average

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

acreage of vegetables per farm for these farms being 6.3 and the average value of products per acre \$181.

The raising of flowers and plants and of nursery products is unimportant in Maine, only 169 acres being devoted to these branches of agriculture.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting, 1909	ACRES.		Quantity (quarts), 1909	Value, 1909
		1909	1899		
Small fruits, total		1,260	1,585	2,285,415	\$233,124
Strawberries.....	3,464	998	512	1,620,250	168,847
Blackberries and dewberries.....	1,464	145	123	153,816	15,931
Raspberries and loganberries.....	1,051	127	131	154,121	20,657
Currants.....	1,076	80	31	76,031	6,986
Gooseberries.....	824	59	30	65,867	5,581
Cranberries.....	536	151	90	100,192	7,957
Other berries.....	103	(¹)	668	109,138	6,865

¹ Acres reported in small fractions.

Strawberries are by far the most important of the small fruits grown in Maine, with raspberries and loganberries ranking next, closely followed by blackberries and dewberries. The total acreage of small fruits in 1909 was 1,260, and in 1899, 1,585, a decrease of 20.5 per cent. The production in 1909 was 2,285,000 quarts, as compared with 1,755,000 quarts in 1899, and the value \$233,000, as compared with \$158,000.

Orchard fruits, grapes, and nuts: 1909 and 1899.—The next table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 3,694,000 bushels, valued at \$2,208,000. Apples contributed over 98 per cent of this quantity, pears and plums and prunes most of the remainder. The production of grapes and nuts was relatively unimportant.

The production of all orchard fruits together in 1909 was 156.7 per cent greater in quantity than in 1899, but that of grapes decreased. The value of orchard fruits increased from \$834,000 in 1899 to \$2,208,000 in 1909, while that of grapes declined from \$7,584 in 1899 to \$6,954 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

CROP.	TREES OR VINES OF BEARING AGE, 1910		TREES OR VINES NOT OF BEARING AGE, 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. ¹	Value.	Quantity. ¹
Orchard fruits, total		3,586,452		1,090,768	3,694,251	\$2,207,748	1,433,919
Apples.....	42,970	3,476,616	17,362	1,046,128	3,636,181	2,121,816	1,421,773
Peaches and nectarines.....	683	5,102	320	3,320	2,014	3,205	1,885
Pears.....	10,857	46,683	3,170	13,013	38,904	43,524	11,200
Plums and prunes.....	7,065	43,576	3,614	22,401	14,637	31,954	2,282
Cherries.....	3,165	14,288	1,271	6,653	2,403	7,164	1,550
Apricots.....	48	93	25	59	25	38	(²)
Quinces.....	48	93	40	109	23	43	(²)
Mulberries.....	1	1			4	4	(²)
Unclassified.....							219
Grapes	2,680	9,731	510	1,944	231,529	6,954	275,800
Nuts, total		4815		4142	412,922	4414	29,050
Black walnuts.....	32	231	6	63	1,600	50	(²)
Oilnuts.....	5	30	2	19	2,976	60	(²)
Chestnuts.....	24	192	5	18	1,280	100	(²)
Butternuts.....	38	211	5	29	6,296	152	(²)
Unclassified.....							29,050

¹ Expressed in bushels for orchard fruits and pounds for grapes and nuts.

² Included with "unclassified."

³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."

⁴ Includes almonds, pecans, filberts, and hickory nuts.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING, 1909		QUANTITY PRODUCED.		
	Number.	Percent of all farms.	Unit.	1909	1899
Cider.....	9,540	15.9	Gals.....	939,085	376,110
Vinegar.....	2,834	4.8	Gals.....	197,996	68,072
Wine and grape juice.....	54	0.1	Gals.....	328	628
Dried fruits.....	267	0.4	Lbs.....	15,034	26,210

Sugar crops: 1909 and 1899.—The table below shows data with regard to maple trees and their products, and also for sugar beets and sorghum cane, which in this state are unimportant. The total value of maple sugar and sirup produced in 1909 was \$52,137, as compared with \$15,920 in 1899.

PRODUCT.	FARMS REPORTING,		Acres.	PRODUCT.		
	Number.	Percent of all farms.		Amount.	Unit.	Value.
Maple sugar and sirup:						
Total, 1909.....	2,274	3.8	1252,764			\$52,137
Sugar made.....	117	0.2		15,388	Lbs...	2,425
Sirup made.....	2,230	3.7		43,971	Gals...	49,712
Total, 1899.....	641	1.1				15,920
Sugar made.....				5,500	Lbs...	643
Sirup made.....				16,024	Gals...	15,277
Sugar beets, 1909 ²	43	0.1	21	193	Tons...	1,814
Sorghum cane, 1909 ²	3	(⁴)	8	97	Tons...	500

¹ Number of trees.

² Used as root forage.

³ Used as coarse forage.

⁴ Less than one-tenth of 1 per cent.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 41,822 farms in Maine (69.7 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$5,573,763, as compared with \$2,652,252 in 1899, an increase of 110.2 per cent. Of the value in 1909, \$2,046,488 was reported as that of products used or to be used on the farms themselves, \$2,656,750 as that of products

sold or for sale, and \$870,525 as the amount received for standing timber. Forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 1,138 farmers in Maine sold, during 1909, 4,948 tons of straw, for which they received \$31,455, and that 75 farmers sold 370 tons of cornstalks and leaves, for which they received \$1,740.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The following table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899:

EXPENSE.	1909		Amount.	1899	INCREASE.		
	Farms reporting.				Amount.	Amount.	Per cent.
	Number.	Percent of all farms.					
Labor.....	37,199	62.0	\$5,633,106	\$2,667,260	\$2,965,846	111.2	
Feed.....	46,643	77.7	7,297,854	(¹)	.....	.....
Fertilizer.....	39,947	68.6	4,099,479	819,680	3,249,799	396.5	

¹ Not reported at the census of 1900.

About one-fifth of the amount expended for labor is in the form of rent and board. During the decade the total expenditure for labor increased 111.2 per cent. Slightly more than three-fifths of the farmers hire labor, and the average amount expended by the farmers hiring is \$151. At prior censuses no tabulation was made of the farmers making expenditure for labor. Three farmers out of every four report some expenditure for feed. Expenditure for fertilizer is

reported from two-thirds of the farms, the average per farm reporting being over \$100. The total amount paid for fertilizer is now nearly five times as great as in 1899.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total.....	.....	.....	.....	.....	\$1,567,463
Corn.....	487	0.8	48,843	Bu.....	28,148
Oats.....	2,191	3.7	316,523	Bu.....	178,210
Barley.....	72	0.1	2,072	Bu.....	1,798
Hay and coarse forage.....	9,609	16.0	98,145	Tons...	1,359,307

While the total amount expended by Maine farmers for the purchase of feed in 1909 was \$7,268,000, the total receipts from sales of feed by those reporting sales only amounted to \$1,567,000

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products

of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Andros-coggin.	Aroostook.	Cumberland.	Franklin.	Hancock.	
1	Population.....	742,371	59,822	74,604	112,014	19,119	35,575
2	Population in 1900.....	<i>694,469</i>	<i>54,242</i>	<i>60,744</i>	<i>100,689</i>	<i>18,444</i>	<i>37,241</i>
3	Number of all farms.....	60,016	2,979	7,280	5,131	2,275	3,382
4	Number of all farms in 1900.....	<i>59,299</i>	<i>2,924</i>	<i>6,938</i>	<i>5,101</i>	<i>2,275</i>	<i>3,784</i>
5	Color and nativity of farmers:						
6	Native white.....	55,014	2,089	5,107	4,762	2,193	3,283
7	Foreign-born white.....	4,073	200	2,001	360	82	99
8	Negro and other nonwhite.....	29	1	1	0	0	0
9	Number of farms, classified by size:						
10	Under 3 acres.....	118	0	4	32	1	7
11	3 to 9 acres.....	3,456	266	101	486	99	257
12	10 to 19 acres.....	3,539	253	110	466	96	281
13	20 to 49 acres.....	9,402	482	719	1,144	216	841
14	50 to 99 acres.....	17,895	933	2,425	1,624	460	1,035
15	100 to 174 acres.....	16,033	724	2,693	993	705	630
16	175 to 259 acres.....	5,653	221	831	260	348	184
17	260 to 499 acres.....	2,640	80	367	96	237	108
18	500 to 999 acres.....	461	11	34	22	51	22
19	1,000 acres and over.....	129	3	5	8	12	17
LAND AND FARM AREA							
20	Approximate land area..... acres.....	10,132,800	293,700	4,129,020	545,020	1,144,000	974,080
21	Land in farms..... acres.....	6,290,850	259,700	804,430	387,734	341,301	303,469
22	Land in farms in 1900..... acres.....	<i>6,299,946</i>	<i>257,400</i>	<i>799,205</i>	<i>408,046</i>	<i>398,870</i>	<i>374,200</i>
23	Improved land in farms..... acres.....	2,360,657	103,600	443,007	151,528	109,323	65,030
24	Improved land in farms in 1900..... acres.....	<i>2,386,889</i>	<i>125,701</i>	<i>339,232</i>	<i>148,430</i>	<i>168,061</i>	<i>51,563</i>
25	Woodland in farms..... acres.....	2,775,021	89,107	357,036	150,025	108,361	172,031
26	Other unimproved land in farms..... acres.....	1,100,681	63,787	63,787	77,181	63,617	66,408
27	Per cent of land area in farms.....	32.9	88.4	20.9	71.0	29.8	31.2
28	Per cent of farm land improved.....	37.5	39.9	51.2	39.1	32.0	21.4
29	Average acres per farm.....	104.9	87.2	118.6	75.6	150.9	89.7
30	Average improved acres per farm.....	39.3	34.8	60.8	29.5	48.1	19.2
VALUE OF FARM PROPERTY							
31	All farm property..... dollars.....	199,271,098	9,214,098	44,220,004	17,520,108	6,047,540	7,390,374
32	All farm property in 1900..... dollars.....	<i>122,410,904</i>	<i>7,519,877</i>	<i>14,685,421</i>	<i>12,519,363</i>	<i>4,678,276</i>	<i>4,567,453</i>
33	Per cent increase, 1900-1910.....	62.8	201.2	201.2	39.9	48.5	61.0
34	Land..... dollars.....	86,481,395	3,458,095	25,190,040	7,389,947	2,850,007	2,882,510
35	Land in 1900..... dollars.....	<i>49,359,460</i>	<i>2,897,270</i>	<i>6,868,290</i>	<i>5,371,850</i>	<i>1,774,550</i>	<i>1,783,450</i>
36	Buildings..... dollars.....	73,138,231	3,798,885	10,814,063	7,189,153	2,014,988	3,272,248
37	Buildings in 1900..... dollars.....	<i>47,142,700</i>	<i>3,045,050</i>	<i>4,274,020</i>	<i>5,067,780</i>	<i>1,715,200</i>	<i>1,895,610</i>
38	Implements and machinery..... dollars.....	14,490,533	700,151	3,303,144	1,079,804	454,825	470,743
39	Implements, etc., in 1900..... dollars.....	<i>8,202,720</i>	<i>470,650</i>	<i>1,525,440</i>	<i>775,840</i>	<i>310,300</i>	<i>310,530</i>
40	Domestic animals, poultry, and bees..... dollars.....	25,161,839	1,250,067	4,900,767	1,801,204	1,021,630	704,573
41	Domestic animals, etc., in 1900..... dollars.....	<i>17,106,034</i>	<i>906,907</i>	<i>2,220,671</i>	<i>1,303,913</i>	<i>874,138</i>	<i>671,043</i>
42	Per cent of value of all property in—						
43	Land.....	43.4	37.5	57.0	42.2	41.1	39.0
44	Buildings.....	36.7	41.2	24.5	41.0	37.6	44.2
45	Implements and machinery.....	7.3	7.7	7.5	6.2	6.5	6.4
46	Domestic animals, poultry, and bees.....	12.6	13.6	11.1	10.0	14.7	10.3
47	Average values:						
48	All property per farm..... dollars.....	3,320	3,093	6,067	3,415	3,054	2,187
49	Land and buildings per farm..... dollars.....	2,660	2,436	4,940	2,841	2,405	1,820
50	Land per acre..... dollars.....	13.73	13.32	29.15	19.06	8.37	6.50
51	Land per acre in 1900..... dollars.....	<i>7.83</i>	<i>11.23</i>	<i>8.65</i>	<i>15.14</i>	<i>4.61</i>	<i>6.50</i>
DOMESTIC ANIMALS (farms and ranges)							
52	Farms reporting domestic animals.....	53,280	2,037	6,960	4,315	2,042	2,754
53	Value of domestic animals..... dollars.....	23,989,561	1,181,832	4,820,106	1,712,933	983,969	712,313
54	Cattle:						
55	Total number.....	256,523	15,747	28,897	20,630	13,001	7,691
56	Dairy cows.....	150,819	10,321	15,229	13,853	7,930	4,891
57	Other cows.....	17,975	1,086	2,208	1,075	789	305
58	Yearling heifers.....	27,846	1,540	4,314	2,151	1,217	714
59	Calves.....	31,901	1,972	3,835	2,275	1,085	1,171
60	Yearling steers and bulls.....	8,172	298	1,981	474	377	173
61	Other steers and bulls.....	14,310	530	1,330	772	994	437
62	Value..... dollars.....	7,784,384	507,400	748,364	690,966	389,704	248,608
63	Horses:						
64	Total number.....	107,574	4,892	21,438	7,474	4,470	3,382
65	Mature horses.....	103,505	4,726	20,348	7,305	4,278	3,302
66	Yearling colts.....	3,705	150	995	149	187	75
67	Spring colts.....	364	16	95	20	11	5
68	Value..... dollars.....	14,364,756	601,606	3,758,038	924,280	502,992	401,012
69	Mules:						
70	Total number.....	358	20	142	13	13	2
71	Mature mules.....	342	25	140	13	11	2
72	Yearling colts.....	11	1	1	0	2	0
73	Spring colts.....	5	1	1	0	0	0
74	Value..... dollars.....	72,446	3,865	42,495	1,050	1,410	300
75	Asses and burros:						
76	Number.....	22	1	5	2	3	0
77	Value..... dollars.....	3,728	20	2,200	110	313	0
78	Swine:						
79	Total number.....	87,156	4,656	13,956	7,899	3,906	2,548
80	Mature hogs.....	54,326	2,645	10,188	4,927	2,322	1,532
81	Yearling pigs.....	32,830	2,011	3,768	2,972	1,584	1,016
82	Value..... dollars.....	948,094	51,828	142,337	82,573	41,507	29,126
83	Sheep:						
84	Total number.....	206,434	3,700	37,422	3,320	12,343	9,913
85	Rams, ewes, and wethers.....	149,934	2,390	25,837	2,197	9,875	6,934
86	Spring lambs.....	56,500	1,310	11,585	1,123	2,468	2,979
87	Value..... dollars.....	813,976	17,037	132,431	13,771	47,795	33,316
88	Goats:						
89	Number.....	532	13	107	41	48	17
90	Value..... dollars.....	2,177	67	301	174	248	51
POULTRY AND BEES							
91	Number of poultry of all kinds.....	1,735,962	92,221	122,838	214,118	51,984	89,150
92	Value..... dollars.....	1,131,921	67,505	70,441	145,555	35,955	50,472
93	Number of colonies of bees.....	7,592	211	2,143	512	294	339
94	Value..... dollars.....	40,387	1,330	10,150	2,716	1,706	2,088

AGRICULTURE—MAINE.

713

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1 1900, in italics.]

	Kennebec.	Knox.	Lincoln.	Oxford.	Penobscot.	Piscataquis.	Sagadahoc.	Somerset.	Waldo.	Washington.	York.
1	62,863	28,981	18,216	36,256	85,285	19,887	18,574	36,301	23,383	42,905	68,526
2	<i>59,117</i>	<i>30,406</i>	<i>19,069</i>	<i>32,238</i>	<i>76,246</i>	<i>16,949</i>	<i>20,330</i>	<i>33,849</i>	<i>24,185</i>	<i>45,232</i>	<i>64,885</i>
3	5,062	2,169	2,679	3,874	6,514	1,913	1,238	4,184	3,607	2,918	4,802
4	<i>5,523</i>	<i>2,115</i>	<i>2,808</i>	<i>4,420</i>	<i>6,076</i>	<i>1,955</i>	<i>1,233</i>	<i>4,122</i>	<i>3,674</i>	<i>2,051</i>	<i>5,064</i>
5	4,812	2,084	2,636	3,698	6,094	1,762	1,162	3,884	3,530	2,649	4,579
6	246	85	41	175	414	151	74	300	75	267	223
7	4	1	2	1	6	2	2	2	2	2	2
8	15	12	1	9	11	3	2	3	5	3	4
9	297	215	181	146	332	72	46	147	182	172	457
10	284	184	174	174	340	69	68	158	190	192	483
11	806	528	555	465	949	177	177	404	511	582	936
12	1,710	661	888	950	2,017	496	437	955	1,050	854	1,880
13	1,397	410	655	1,174	1,899	632	357	1,505	1,118	686	995
14	405	105	147	572	617	268	113	612	380	238	340
15	128	40	58	292	295	158	34	313	139	143	152
16	14	6	6	72	46	36	4	42	21	35	39
17	6	1	4	20	8	2	15	15	5	13	10
18	562,560	224,640	292,480	1,267,200	2,085,120	2,412,800	160,000	2,325,120	463,360	1,617,920	632,960
19	<i>467,049</i>	<i>157,715</i>	<i>222,024</i>	<i>533,225</i>	<i>679,633</i>	<i>255,541</i>	<i>118,024</i>	<i>595,757</i>	<i>375,813</i>	<i>317,146</i>	<i>413,238</i>
20	<i>479,749</i>	<i>166,480</i>	<i>223,069</i>	<i>620,704</i>	<i>663,671</i>	<i>266,180</i>	<i>115,045</i>	<i>579,301</i>	<i>381,531</i>	<i>225,722</i>	<i>433,665</i>
21	198,385	51,719	75,023	155,349	277,217	81,218	53,610	244,329	143,837	67,114	140,368
22	<i>180,894</i>	<i>47,091</i>	<i>63,430</i>	<i>193,474</i>	<i>293,240</i>	<i>104,223</i>	<i>39,572</i>	<i>240,474</i>	<i>155,789</i>	<i>64,919</i>	<i>141,203</i>
23	154,679	63,077	93,389	290,408	283,499	133,585	39,500	285,723	143,891	161,753	179,956
24	113,985	42,919	53,612	92,468	118,917	40,737	24,914	65,705	88,085	88,279	92,914
25	83.0	70.2	75.9	42.5	32.6	10.6	73.8	25.6	81.1	19.6	65.3
26	42.5	32.8	33.8	28.9	40.8	31.8	45.4	41.0	38.3	21.2	34.0
27	92.3	72.7	82.9	138.9	104.3	133.6	95.3	142.4	104.2	108.7	86.1
28	39.2	23.8	28.0	40.1	42.6	42.5	43.3	58.4	30.0	23.0	29.2
29	16,130,345	5,623,880	5,869,404	11,960,089	19,573,364	5,866,516	3,689,740	13,471,848	8,528,795	6,018,507	16,948,877
30	<i>11,833,087</i>	<i>3,918,122</i>	<i>4,407,140</i>	<i>9,103,331</i>	<i>12,351,818</i>	<i>5,651,012</i>	<i>2,501,620</i>	<i>8,323,960</i>	<i>6,364,043</i>	<i>5,216,764</i>	<i>12,601,121</i>
31	36.3	43.5	33.2	31.4	58.5	60.7	47.1	61.7	38.7	87.1	30.8
32	6,075,497	2,215,968	2,154,196	4,928,378	7,349,870	2,302,536	1,406,789	5,341,302	3,159,869	2,241,975	7,521,426
33	<i>4,650,350</i>	<i>1,507,380</i>	<i>1,649,490</i>	<i>3,604,620</i>	<i>4,496,390</i>	<i>1,323,180</i>	<i>673,650</i>	<i>5,093,060</i>	<i>2,326,690</i>	<i>1,232,070</i>	<i>5,808,810</i>
34	6,766,773	2,424,855	2,575,240	4,391,627	7,682,618	2,141,170	1,545,760	5,070,585	3,549,305	2,488,091	6,812,870
35	<i>4,348,950</i>	<i>1,632,720</i>	<i>1,851,050</i>	<i>3,473,380</i>	<i>4,245,340</i>	<i>1,338,370</i>	<i>1,052,990</i>	<i>5,199,150</i>	<i>2,655,680</i>	<i>1,225,490</i>	<i>5,045,960</i>
36	1,157,074	374,497	428,115	834,447	1,620,599	621,523	281,888	1,061,557	780,806	502,518	906,837
37	<i>776,510</i>	<i>249,970</i>	<i>324,540</i>	<i>579,650</i>	<i>999,020</i>	<i>310,730</i>	<i>174,340</i>	<i>601,810</i>	<i>528,710</i>	<i>278,800</i>	<i>778,800</i>
38	2,131,001	608,569	711,853	1,806,537	2,920,277	901,282	446,303	1,995,404	1,338,815	785,923	1,707,744
39	<i>1,564,277</i>	<i>477,548</i>	<i>532,060</i>	<i>1,443,731</i>	<i>2,011,123</i>	<i>632,232</i>	<i>290,840</i>	<i>1,436,404</i>	<i>974,963</i>	<i>479,714</i>	<i>1,327,431</i>
40	37.7	39.4	36.7	41.2	37.6	39.2	38.2	39.7	35.8	37.3	44.4
41	42.0	43.1	43.9	30.7	39.3	36.5	42.0	37.6	40.2	41.3	40.2
42	7.2	6.7	7.3	7.0	8.3	8.9	7.7	7.9	8.8	8.3	5.4
43	13.2	10.8	12.1	15.1	14.9	15.4	12.1	14.8	15.2	13.1	10.1
44	3,187	2,593	2,191	3,088	3,005	3,067	2,973	3,220	2,448	2,063	3,530
45	2,537	2,140	1,765	2,406	2,308	2,323	2,385	2,488	1,860	1,621	2,985
46	13.01	14.05	9.70	9.16	10.81	9.01	11.92	8.97	8.41	7.07	18.20
47	<i>9.69</i>	<i>9.64</i>	<i>7.39</i>	<i>5.81</i>	<i>6.77</i>	<i>5.00</i>	<i>8.47</i>	<i>5.34</i>	<i>6.10</i>	<i>4.95</i>	<i>13.24</i>
48	4,504	1,865	2,303	3,577	5,852	1,676	1,043	3,794	3,247	2,586	4,120
49	<i>2,032,242</i>	<i>553,594</i>	<i>650,098</i>	<i>1,734,124</i>	<i>2,783,459</i>	<i>868,059</i>	<i>416,386</i>	<i>1,923,620</i>	<i>1,248,971</i>	<i>754,308</i>	<i>1,602,487</i>
50	23,566	7,069	8,893	25,361	29,742	7,575	5,265	19,286	14,986	8,779	20,034
51	15,228	4,487	5,007	14,344	18,794	4,629	3,297	11,676	9,390	5,165	12,539
52	1,558	356	593	1,917	2,334	824	444	1,544	957	504	1,481
53	2,328	586	740	2,712	3,274	673	522	2,064	1,550	1,111	1,830
54	2,797	809	1,115	3,474	3,622	903	586	2,218	1,860	1,397	2,122
55	474	190	298	926	775	215	149	588	388	409	457
56	1,181	641	1,140	1,988	943	272	207	1,176	841	193	1,605
57	715,463	223,584	286,442	761,637	870,748	223,169	169,063	581,977	428,906	229,338	709,106
58	8,898	2,692	3,029	7,152	12,568	3,945	1,781	9,326	6,209	3,522	6,700
59	8,616	2,601	2,940	6,919	12,003	3,801	1,730	8,585	6,050	3,421	6,580
60	250	82	81	215	505	134	44	410	225	91	112
61	32	9	8	18	60	10	7	31	24	10	8
62	1,053,186	291,703	314,199	862,974	1,689,163	566,595	218,490	1,182,560	726,984	457,297	813,668
63	13	7	10	11	25	11	11	33	19	7	15
64	13	7	9	10	23	11	10	27	19	7	15
65	1	1	1	1	2	1	1	5	1	1	1
66	3,150	1,025	960	1,045	3,200	1,975	1,225	4,235	3,371	890	2,250
67	1	2	2	2	2	1	3	250	1	1	1
68	50	150	559	50	50	35	250	1	1	1	1
69	8,999	2,144	2,576	6,279	10,237	3,081	1,339	6,762	4,129	2,550	6,095
70	5,220	1,099	1,450	3,893	6,422	2,069	779	4,137	2,585	1,385	3,673
71	3,779	1,045	1,126	2,386	3,815	1,012	580	2,625	1,544	1,165	2,422
72	96,049	19,112	26,345	67,783	118,604	36,970	14,555	80,992	47,985	28,147	64,481
73	35,499	5,454	6,190	9,965	24,825	9,175	2,762	21,086	11,522	10,118	3,181
74	27,030	4,151	3,882	6,940	18,704	7,027	1,754	16,265	6,458	5,568	1,922
75	8,469	1,303	2,308	3,025	6,121	2,148	1,008	4,771	3,064	3,550	1,269
76	164,156	17,833	21,543	40,593	101,642	39,164	12,997	78,573	41,851	38,525	12,749
77	30	48	24	19	29	56	11	9	63	32	35
78	188	187	59	42	102	151	56	33	174	111	233
79	144,385	82,277	99,401	106,183	184,257	47,566	45,991	101,943	134,779	54,122	164,738
80	<i>94,010</i>	<i>53,593</i>	<i>60,698</i>	<i>71,236</i>	<i>132,842</i>	<i>32,230</i>	<i>29,226</i>	<i>66,772</i>	<i>87,091</i>	<i>30,963</i>	<i>103,332</i>
81	910	244	195	202	702	159	117	595	477	122	370
82	4,749	1,382	1,057	1,177	3,976	993	691	3,012	2,753	652	1,926

AGRICULTURE—MAINE.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE, AND

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Andros-coggin.	Aroostook.	Cumberland.	Franklin.	Hancock.	
FARMS OPERATED BY OWNERS							
1	Number of farms	50,454	2,747	6,070	4,730	2,164	3,186
2	Number of farms in 1900	<i>55,607</i>	<i>3,795</i>	<i>6,593</i>	<i>4,715</i>	<i>2,410</i>	<i>3,046</i>
3	Per cent of all farms	94.1	92.2	95.7	92.3	95.1	94.2
4	Per cent of all farms in 1900	<i>95.8</i>	<i>93.2</i>	<i>95.0</i>	<i>92.4</i>	<i>95.4</i>	<i>95.0</i>
5	Land in farms	5,015,822	237,274	827,509	358,560	325,152	284,038
6	Improved land in farms	2,222,452	95,422	423,476	138,403	104,093	60,096
7	Value of land and buildings	147,713,709	6,005,050	34,411,403	13,102,500	5,170,000	5,204,033
Degree of ownership:							
8	Farms consisting of owned land only	55,340	2,001	6,820	4,036	2,114	3,135
9	Farms consisting of owned and hired land	1,105	56	150	100	50	51
Color and nativity of owners:							
10	Native white	51,788	2,481	4,078	4,415	2,089	3,093
11	Foreign-born white	4,631	206	1,997	315	75	83
12	Negro and other nonwhite	25		1	6		
FARMS OPERATED BY TENANTS							
13	Number of farms	2,503	180	200	288	87	118
14	Number of farms in 1900	<i>2,775</i>	<i>150</i>	<i>287</i>	<i>290</i>	<i>95</i>	<i>104</i>
15	Per cent of all farms	4.3	6.0	3.0	5.0	3.8	3.5
16	Per cent of all farms in 1900	<i>4.7</i>	<i>5.1</i>	<i>4.1</i>	<i>5.7</i>	<i>5.8</i>	<i>3.7</i>
17	Land in farms	224,136	13,770	20,103	14,095	11,251	9,069
18	Improved land in farms	84,853	4,933	15,593	6,813	3,042	1,991
19	Value of land and buildings	6,530,287	381,330	1,284,300	736,715	147,325	660,260
Form of tenancy:							
20	Share tenants	280	40	62	15	14	12
21	Share-cash tenants	44	3	15	2	1	1
22	Cash tenants	1,733	94	148	234	61	80
23	Tenure not specified	407	43	41	87	11	25
Color and nativity of tenants:							
24	Native white	2,280	157	184	251	82	111
25	Foreign-born white	274	23	82	35	5	7
26	Negro and other nonwhite	3			2		
FARMS OPERATED BY MANAGERS							
27	Number of farms	900	52	47	107	24	73
28	Number of farms in 1900	<i>917</i>	<i>49</i>	<i>58</i>	<i>98</i>	<i>21</i>	<i>34</i>
29	Land in farms	160,901	8,716	7,008	14,170	4,808	9,462
30	Improved land in farms	53,352	3,245	3,038	6,312	1,588	2,043
31	Value of land and buildings	5,375,570	271,500	314,400	739,795	146,800	239,810
MORTGAGE DEBT REPORTS							
For all farms operated by owners:							
32	Number free from mortgage debt	41,300	1,968	3,455	3,072	1,520	2,722
33	Number with mortgage debt	14,948	775	3,510	1,036	643	453
34	Number with no mortgage report	197	4	11	28	1	11
For farms consisting of owned land only:							
35	Number reporting debt and amount	13,894	709	3,275	971	607	415
36	Value of their land and buildings	39,774,005	1,555,080	10,072,513	2,446,220	1,445,720	621,546
37	Amount of mortgage debt	11,738,520	499,489	4,754,500	740,094	454,881	156,544
38	Per cent of value of land and buildings	29.5	32.1	28.5	30.5	31.5	25.2

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS								
Dairy Products								
1	Dairy cows on farms reporting dairy products	number..	148,279	9,887	13,096	13,381	7,005	4,611
2	Dairy cows on farms reporting milk produced	number..	126,001	8,461	12,026	11,701	6,216	4,171
3	Milk—Produced	gallons..	50,020,334	3,930,791	5,393,359	5,113,071	2,272,553	2,040,091
4	Sold	gallons..	12,784,806	1,305,985	200,392	1,796,825	210,981	398,046
5	Cream sold	gallons..	737,706	62,206	11,586	53,448	74,742	13,013
6	Butter fat sold	pounds..	4,000,344	520,129	10,417	243,590	363,320	30,947
7	Butter—Produced	pounds..	13,200,220	630,484	1,400,301	1,301,720	444,403	617,098
8	Sold	pounds..	8,380,817	451,679	516,971	1,010,744	271,748	337,039
9	Cheese—Produced	pounds..	118,216	27,156	6,280	1,480	12,044	
10	Sold	pounds..	94,244	24,422	4,500	1,127	10,025	
11	Value of dairy products, excluding home use of milk and cream	dollars..	8,079,002	640,803	439,668	913,177	320,548	294,224
12	Receipts from sale of dairy products	dollars..	6,722,779	588,282	214,033	811,034	281,022	212,753
Poultry Products								
13	Poultry—Raised	number..	2,348,403	119,849	173,270	312,747	61,410	128,487
14	Sold	number..	1,213,089	69,066	41,085	184,107	33,253	72,195
15	Eggs—Produced	dozens..	14,032,820	688,140	738,104	1,720,602	371,895	778,009
16	Sold	dozens..	10,340,134	494,804	246,026	1,384,770	254,005	532,152
17	Value of poultry and eggs produced	dollars..	4,881,200	250,070	254,454	600,334	125,381	254,076
18	Receipts from sale of poultry and eggs	dollars..	3,380,805	177,550	80,140	504,518	82,270	132,656
Honey and Wax								
19	Honey produced	pounds..	112,051	1,778	45,509	5,174	2,541	2,789
20	Wax produced	pounds..	2,260	16	639	104	19	116
21	Value of honey and wax produced	dollars..	20,683	302	7,549	1,086	542	538
Wool, Mohair, and Goat Hair								
22	Wool, fleeces shorn	number..	150,462	2,132	25,031	1,833	10,460	6,906
23	Mohair and goat hair, fleeces shorn	number..	168	2	12	14	15	
24	Value of wool and mohair produced	dollars..	253,775	3,789	37,289	2,825	19,220	9,808
DOMESTIC ANIMALS SOLD OR SLAUGHTERED								
25	Calves—Sold or slaughtered	number..	125,973	8,032	3,915	11,454	13,845	3,377
26	Other cattle—Sold or slaughtered	number..	102,687	6,873	7,455	9,432	7,954	2,363
27	Horses, mules, and asses and burros—Sold	number..	12,053	471	1,700	884	600	287
28	Swine—Sold or slaughtered	number..	135,486	9,326	17,832	10,351	9,148	3,724
29	Sheep and goats—Sold or slaughtered	number..	113,152	1,073	23,805	3,081	12,074	3,823
30	Receipts from sale of animals	dollars..	0,531,033	393,705	581,720	590,231	490,332	116,473
31	Value of animals slaughtered	dollars..	1,888,888	99,137	265,870	134,514	113,423	75,767

AGRICULTURE—MAINE.

COLOR AND NATIVITY OF FARMERS, AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in Italics.]

	Kennebec.	Knox.	Lincoln.	Oxford.	Penobscot.	Piscataquis.	Sagadahoc.	Somerset.	Waldo.	Washington.	York.
1	4,754	2,031	2,539	3,016	6,131	1,784	1,168	3,956	3,369	2,805	4,492
2	5,121	1,955	2,637	4,128	5,663	1,816	1,168	5,389	3,458	1,837	4,717
3	93.9	93.6	94.8	93.3	94.1	93.3	94.3	94.6	93.4	96.1	93.5
4	92.7	92.5	95.7	95.4	93.2	93.9	94.3	94.3	93.6	94.4	93.1
5	434,714	146,987	211,445	501,972	641,090	234,147	111,135	565,593	349,569	294,541	391,105
6	185,813	48,402	71,187	144,213	262,507	75,315	50,604	231,012	134,951	63,980	132,072
7	11,734,510	3,922,221	4,438,811	8,621,850	14,004,218	4,069,131	2,792,649	9,756,362	6,077,174	4,446,681	13,239,471
8	4,667	1,998	2,507	3,558	6,001	1,746	1,116	3,302	3,303	2,755	4,404
9	87	33	32	58	130	38	52	64	66	50	88
10	4,520	1,952	2,501	3,458	5,737	1,048	1,097	3,674	3,299	2,555	4,206
11	230	79	36	158	388	136	69	282	68	248	196
12	4	2	2	6	6	2	2	2	2	2	2
13	183	90	95	189	292	86	50	156	169	87	227
14	506	120	97	213	289	103	52	174	183	60	252
15	3.6	4.1	3.5	4.9	4.5	4.5	4.0	3.7	4.7	3.0	4.7
16	5.5	5.7	3.5	4.8	4.8	5.3	4.2	4.2	5.0	2.9	5.0
17	14,097	5,936	6,090	24,141	22,890	12,119	4,691	16,955	17,729	7,724	12,616
18	5,432	2,016	2,173	7,378	8,930	3,438	2,011	7,127	6,269	1,978	5,129
19	384,610	365,262	145,125	361,925	507,675	196,875	90,000	293,975	355,500	107,685	510,325
20	15	4	19	37	15	6	4	17	19	8	11
21	-----	-----	2	4	1	-----	2	6	5	-----	2
22	127	67	68	118	223	61	35	92	88	69	168
23	41	19	15	30	53	19	9	41	57	10	46
24	172	87	92	178	267	77	45	143	163	72	205
25	11	3	3	10	25	9	5	13	6	15	22
26	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
27	125	48	45	69	91	43	20	72	69	26	83
28	96	39	24	79	124	16	18	50	63	54	95
29	18,238	4,792	4,489	12,112	14,753	9,275	2,193	13,209	8,515	14,881	9,516
30	7,140	1,301	1,663	3,758	5,780	2,465	995	6,190	2,017	1,150	3,167
31	673,150	353,340	145,500	336,230	460,595	177,700	69,900	359,550	276,500	176,300	584,500
32	3,530	1,710	2,220	2,520	4,302	1,139	934	2,814	2,704	2,287	3,812
33	1,181	313	313	1,086	1,807	641	231	1,133	655	509	662
34	43	8	6	10	22	4	3	9	10	9	18
35	1,080	287	280	1,020	1,678	611	209	1,073	601	455	611
36	2,574,785	516,945	474,150	2,297,500	3,700,065	1,369,700	490,500	2,524,040	1,006,480	663,331	1,499,430
37	819,813	148,471	132,445	683,231	1,076,571	401,336	144,352	797,117	288,288	180,774	474,113
38	31.8	28.7	27.9	31.0	29.1	29.3	29.1	31.0	28.6	24.2	31.6

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

1	14,477	4,226	4,769	13,723	17,394	4,467	3,014	10,965	8,765	4,952	11,847
2	11,011	3,705	4,548	10,363	15,542	3,936	2,714	8,384	7,500	4,829	10,289
3	4,938,668	1,566,100	1,997,665	4,288,530	7,934,934	1,741,813	1,222,705	3,388,302	3,213,533	2,452,593	4,516,656
4	1,164,198	518,449	164,112	977,533	1,875,129	213,377	259,875	611,729	804,032	314,200	1,836,443
5	112,987	7,630	30,923	90,656	91,331	32,190	32,411	36,643	59,730	5,137	23,123
6	529,139	29,829	78,217	703,022	517,718	168,631	58,873	452,790	275,333	6,164	66,210
7	1,309,637	522,970	524,272	666,169	1,530,731	412,119	309,212	898,648	678,507	801,269	1,191,609
8	939,092	343,162	316,804	388,974	1,007,302	268,138	223,327	569,244	403,987	476,596	850,610
9	18,174	1,605	-----	5,898	1,576	4,233	135	38,655	670	-----	310
10	15,655	1,242	-----	3,754	431	2,975	-----	28,613	600	-----	-----
11	863,977	283,693	224,180	642,914	981,663	238,933	196,006	502,199	452,956	293,837	776,919
12	769,171	239,078	167,852	563,210	838,858	200,330	171,448	412,830	378,685	205,190	673,433
13	178,134	109,962	134,233	146,492	233,202	56,520	68,264	151,674	166,756	71,296	236,201
14	94,369	65,626	72,137	74,796	121,941	28,582	35,221	71,423	90,852	30,783	133,273
15	1,156,754	789,434	950,317	857,100	1,406,952	394,794	373,490	808,506	1,153,397	555,890	1,272,470
16	872,930	637,573	797,883	623,597	1,011,045	276,124	306,475	537,737	657,335	351,832	954,098
17	399,010	263,432	313,431	300,357	491,033	126,634	137,672	270,163	390,505	169,953	491,779
18	282,097	202,023	244,252	199,825	334,690	82,968	102,590	169,948	297,166	101,736	325,374
19	10,533	2,378	1,894	3,771	9,909	2,304	1,523	7,309	7,564	926	5,049
20	333	67	4	20	171	145	48	139	287	19	133
21	1,827	611	382	819	1,840	471	275	1,419	1,520	195	1,170
22	24,126	4,488	3,999	6,423	20,322	8,310	1,629	17,789	9,096	6,370	1,542
23	30	13	2	7	14	3	30	2	19	-----	5
24	49,335	7,040	6,147	11,165	31,836	13,913	2,449	31,515	15,012	9,907	2,466
25	14,551	2,431	3,359	11,263	12,897	4,087	2,016	13,895	7,038	2,238	10,967
26	9,959	2,000	3,411	9,038	9,152	3,492	1,104	9,819	6,221	2,206	13,068
27	1,328	325	215	690	1,513	487	62	2,005	486	303	558
28	12,932	3,025	3,563	11,844	15,325	5,027	2,056	19,995	6,739	3,936	8,161
29	6,295	2,003	2,976	6,000	10,116	6,035	985	12,004	8,059	5,631	1,494
30	733,480	109,766	135,692	514,248	654,228	218,808	58,092	888,344	262,106	105,024	672,748
31	143,737	41,682	79,354	157,508	215,845	87,225	34,751	127,891	104,322	76,404	141,469

AGRICULTURE—MAINE.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		THE STATE.	Andros- coggin.	Aroostook.	Cumberland.	Franklin.	Hancock.	
VALUE OF ALL CROPS								
1	Total.....	dollars.....	39,317,647	1,841,232	10,150,955	2,652,424	1,482,807	1,184,860
2	Cereals.....	dollars.....	3,100,802	65,890	1,617,614	78,293	64,958	27,305
3	Other grains and seeds.....	dollars.....	287,989	12,834	3,095	26,828	13,208	10,549
4	Hay and forage.....	dollars.....	15,115,821	881,200	1,980,590	1,345,620	698,216	511,584
5	Vegetables.....	dollars.....	12,377,717	302,012	5,847,442	564,825	191,213	255,004
6	Fruits and nuts.....	dollars.....	2,448,240	236,061	78,544	195,429	244,096	73,708
7	All other crops.....	dollars.....	5,986,978	343,235	623,661	441,420	270,256	305,650
SELECTED CROPS (acres and quantity)								
8	Cereals:							
9	Total.....	acres.....	159,616	3,005	86,654	3,581	3,065	1,511
10		bushels.....	5,395,168	107,862	2,931,783	125,546	96,258	45,619
11	Corn.....	acres.....	15,213	1,010	1,270	1,263	886	83
12		bushels.....	648,882	45,333	48,035	57,882	37,347	2,831
13	Oats.....	acres.....	120,991	1,888	69,204	2,129	1,864	1,203
14		bushels.....	4,232,309	60,108	2,542,893	64,008	52,165	39,161
15	Wheat.....	acres.....	3,407	3	3,036	10	2	4
16		bushels.....	85,119	85	76,126	234	24	146
17	Barley.....	acres.....	4,136	46	1,247	93	118	113
18		bushels.....	106,674	1,140	31,557	2,421	2,978	3,252
19	Buckwheat.....	acres.....	15,552	49	11,885	22	181	17
20		bushels.....	316,782	956	231,026	482	3,489	205
21	Rye.....	acres.....	292	5	108	56	11	1
		bushels.....	4,815	162	2,051	467	189	7
22	Other grains and seeds:							
23	Dry peas.....	acres.....	537	7	135	22	19	34
24		bushels.....	4,963	92	1,372	238	213	272
25	Dry edible beans.....	acres.....	10,341	473	35	715	419	246
		bushels.....	87,565	3,968	285	8,438	3,887	2,828
26	Hay and forage:							
27	Total.....	acres.....	1,255,011	62,132	158,489	100,329	64,806	40,578
28		tons.....	1,113,095	62,206	153,242	94,826	54,569	30,980
29	All tame or cultivated grasses.....	acres.....	1,205,253	59,261	157,489	96,619	61,644	39,121
30		tons.....	984,669	51,702	151,938	79,370	49,411	28,226
31	Timothy alone.....	acres.....	166,080	15,577	17,735	11,325	5,561	1,885
32		tons.....	143,855	14,113	15,963	10,128	4,665	1,625
33	Timothy and clover mixed.....	acres.....	643,189	21,487	138,689	35,902	26,591	14,674
34		tons.....	559,293	20,498	134,927	32,170	24,085	12,128
35	Clover alone.....	acres.....	4,818	224	743	382	221	61
36		tons.....	5,753	323	841	386	223	59
37	Alfalfa.....	acres.....	174	14	30	25		
38		tons.....	216	30	23			2
39	Millet or Hungarian grass.....	acres.....	10,641	999	4	1,219	691	452
40		tons.....	16,793	1,785	7	1,944	1,251	581
41	Other tame or cultivated grasses.....	acres.....	380,351	20,960	282	47,766	23,580	22,049
42		tons.....	258,789	14,953	227	34,709	19,182	13,831
43	Wild, salt, or prairie grasses.....	acres.....	24,557	997	457	1,406	1,571	892
44		tons.....	21,148	854	351	1,300	1,177	860
45	Grains cut green.....	acres.....	13,388	981	408	1,135	828	388
46		tons.....	25,059	1,937	702	2,359	1,458	838
47	Coarse forage.....	acres.....	11,753	887	44	1,168	763	170
48		tons.....	81,227	7,597	199	11,776	2,523	937
49	Root forage.....	acres.....	60	6	1	1		7
		tons.....	962	118	21			119
50	Special crops:							
51	Potatoes.....	acres.....	135,799	2,253	75,738	3,426	1,560	1,836
52		bushels.....	28,556,837	322,197	17,514,491	461,581	290,075	300,320
53	All other vegetables.....	acres.....	25,288		822	3,484	1,454	1,074
54	Maple trees.....	number.....	252,764	5,360	19,652	1,955	45,510	7,022
55	Maple sugar (made).....	pounds.....	15,388	32	9,140		373	15
	Maple sirup (made).....	gallons.....	43,971	927	1,612	494	8,184	953
FRUITS AND NUTS								
56	Orchard fruits:							
57	Total.....	trees.....	3,586,452	387,977	147,491	281,613	379,920	74,938
58		bushels.....	3,694,251	347,662	146,968	230,045	391,130	87,664
59	Apples.....	trees.....	3,476,616	376,746	146,065	269,668	374,464	71,280
60		bushels.....	3,686,181	339,925	146,526	222,893	388,802	85,897
61	Peaches and nectarines.....	trees.....	5,102	209	303	521	12	17
62		bushels.....	2,014	69	156	155	11	13
63	Pears.....	trees.....	46,683	6,519	40	0,346	2,348	976
64		bushels.....	38,964	6,258	33	5,249	2,076	642
65	Plums and prunes.....	trees.....	43,576	3,744	956	4,270	1,980	2,000
66		bushels.....	14,637	1,313	242	1,573	552	958
67	Cherries.....	trees.....	14,288	731	121	803	1,110	659
68		bushels.....	2,403	84	9	173	189	154
69	Grapes.....	vines.....	9,731	673	5	1,365	1,221	105
		pounds.....	231,529	15,273	44	21,227	29,101	3,557
70	Small fruits:							
71	Total.....	acres.....	1,260	59	8	182	28	95
72		quarts.....	2,285,415	110,208	10,656	445,531	51,239	194,195
73	Strawberries.....	acres.....	698	34	3	125	16	57
74		quarts.....	1,626,250	82,850	3,788	303,861	39,568	143,967
75	Raspberries and loganberries.....	acres.....	127	11		24	2	6
76		quarts.....	154,121	13,360	118	43,755	2,110	7,247
77	Blackberries and dewberries.....	acres.....	145	6		15	5	7
78		quarts.....	153,816	7,304	60	18,909	5,594	6,210
79	Cranberries.....	acres.....	151	3	3	9	2	14
80		quarts.....	100,192	2,272	3,584	3,200	928	9,760
81	Nuts.....	trees.....	815	21	5	69	112	16
		pounds.....	12,922	100	350	622	1,200	95

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....						
2	Farms reporting.....		37,199	1,852	4,864	3,267	1,465
3	Cash expended.....	dollars.....	4,485,911	211,584	1,129,228	389,210	155,079
4	Rent and board furnished.....	dollars.....	1,147,195	57,284	335,123	77,413	42,694
5	Fertilizer.....						
6	Farms reporting.....		39,947	1,953	5,849	3,211	1,626
7	Amount expended.....	dollars.....	4,069,479	97,347	1,844,568	142,470	64,652
8	Feed.....						
9	Farms reporting.....		46,643	2,421	3,199	4,255	1,908
10	Amount expended.....	dollars.....	7,267,854	519,445	217,743	905,108	237,288
11	Receipts from sale of feedable crops.....	dollars.....	1,567,463	51,750	452,742	162,578	50,510

AGRICULTURE—MAINE.

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Kennebec.	Knox.	Lincoln.	Oxford.	Penobscot.	Piscataquis.	Sagadahoc.	Somerset.	Waldo.	Washington.	York.
1	2,789,631	903,701	999,097	2,376,112	4,262,167	1,430,268	681,407	2,302,186	2,145,403	1,160,565	2,355,032
2	181,385	19,894	33,534	98,342	98,342	335,788	100,275	30,595	218,314	118,194	37,327
3	32,423	8,958	12,494	18,014	58,502	9,278	4,790	26,552	20,039	6,100	25,106
4	1,290,743	400,447	468,059	1,152,117	1,725,077	523,444	329,051	1,148,790	898,784	493,944	1,202,131
5	569,054	154,476	153,441	311,028	1,410,795	436,529	127,856	683,725	664,167	351,407	353,783
6	296,461	111,597	72,502	275,438	244,372	62,311	47,702	141,202	201,517	54,766	111,934
7	419,565	142,329	259,067	521,173	487,633	298,431	141,413	684,597	242,702	217,021	588,825
8	9,173	1,016	1,928	4,434	16,924	5,138	1,612	11,340	5,680	1,925	2,632
9	302,983	29,998	54,305	152,478	574,768	176,668	49,759	379,667	200,435	59,566	107,473
10	2,141	234	408	2,353	955	402	277	1,477	700	25	1,729
11	87,641	3,437	12,854	97,004	43,026	14,729	9,729	68,495	30,122	788	84,683
12	6,465	583	1,312	1,943	13,405	4,193	1,163	8,546	4,574	1,634	794
13	202,633	10,929	35,001	53,393	465,304	149,629	36,958	281,461	159,296	52,042	20,428
14	43	3	8	8	166	31	12	20	27	20	4
15	1,109	131	135	60	3,937	879	158	823	738	429	85
16	340	180	190	29	803	105	65	209	300	112	86
17	7,898	4,335	5,150	507	24,529	2,642	1,433	5,720	8,176	3,028	1,908
18	176	16	8	82	1,580	400	92	1,052	56	133	3
19	3,590	166	201	1,192	37,699	8,706	1,414	22,718	1,628	3,258	57
20	7	2	2	21	5	4	3	30	23	16	16
21	81	49	49	302	105	112	55	440	480	3	312
22	41	12	18	13	60	16	15	25	17	12	91
23	375	98	154	69	779	66	45	500	136	92	460
24	1,151	253	670	916	1,840	405	215	856	598	201	1,348
25	10,086	2,760	3,887	5,814	10,068	2,720	1,375	8,207	6,560	1,572	8,229
26	120,334	33,917	48,596	87,365	142,669	42,845	29,455	112,150	87,691	35,182	88,473
27	104,232	27,382	35,305	91,616	129,159	37,836	23,729	66,829	66,829	31,444	76,106
28	117,137	32,036	46,608	78,089	137,499	40,980	28,241	108,523	85,134	33,008	83,804
29	92,388	23,982	32,366	69,734	114,341	32,306	20,245	86,176	59,610	28,592	64,262
30	21,175	3,588	5,444	14,523	19,500	4,078	3,050	14,138	12,110	6,089	9,722
31	17,881	2,891	3,906	13,931	10,850	3,820	2,542	12,036	9,070	6,096	8,332
32	51,555	19,462	25,006	29,099	91,410	28,817	13,110	51,276	36,472	22,132	37,507
33	42,937	14,020	18,774	27,906	78,535	23,200	9,697	44,197	27,240	18,690	30,283
34	313	66	224	355	578	341	98	633	335	92	152
35	370	70	196	589	693	356	148	859	361	81	193
36	7	1	6	24	5	47	7	13	7	2	2
37	18	2	9	27	8	50	10	17	13	3	3
38	1,432	201	199	1,225	817	254	324	1,333	573	119	799
39	2,145	309	290	2,074	1,440	605	349	1,959	816	174	1,164
40	42,655	8,718	15,729	32,863	25,189	6,890	11,612	41,136	35,144	4,596	25,682
41	29,039	6,690	9,191	25,207	10,815	4,419	7,453	27,112	22,123	3,551	24,287
42	888	1,027	1,107	5,746	2,627	445	677	1,618	1,337	1,208	2,574
43	817	802	1,003	4,975	2,374	285	872	1,243	1,155	1,183	2,087
44	1,107	474	281	1,694	1,119	308	242	1,131	583	891	1,228
45	2,276	832	527	3,257	1,967	1,428	551	1,450	1,174	1,467	2,386
46	1,220	380	596	1,826	1,417	612	295	871	633	73	798
47	8,703	1,639	1,340	13,602	10,373	3,811	2,259	4,302	4,791	167	7,208
48	48	77	69	10	7	0	2	7	4	2	0
49	2	4	4	47	104	0	2	64	93	35	153
50	5,834	1,052	1,408	2,805	14,860	4,483	1,890	7,016	6,052	3,548	2,966
51	955,544	153,055	177,137	424,613	3,178,705	961,782	201,135	1,413,626	1,349,948	549,025	333,594
52	2,382	1,023	856	2,139	2,498	547	1,476	2,074	1,384	1,078	1,882
53	16,037	918	281	44,570	37,164	12,556	3,195	41,904	9,105	691	6,844
54	600	8	111	605	678	80	2,540	806	18	40	347
55	2,892	278	69	8,197	6,621	1,960	535	7,191	2,007	83	1,968
56	421,933	107,287	94,938	456,199	292,217	93,011	62,158	265,772	213,433	56,152	251,413
57	399,202	174,403	115,640	449,341	374,385	134,366	70,310	282,143	316,587	82,227	112,178
58	409,593	101,674	444,529	444,529	288,223	91,892	59,761	253,985	206,251	55,982	237,242
59	392,094	171,200	113,024	443,447	370,852	133,767	68,673	279,566	312,724	61,814	105,973
60	319	10	31	314	70	32	32	102	37	3,068	3,068
61	438	22	14	181	34	11	11	72	1	1,137	1,137
62	6,205	2,189	1,953	4,618	2,982	495	1,472	1,973	2,478	115	6,024
63	5,448	1,808	1,608	3,856	2,528	281	1,349	1,458	2,357	94	3,959
64	3,642	2,823	1,869	4,099	4,000	790	666	3,250	3,070	851	4,348
65	1,159	1,267	919	1,544	1,199	282	219	843	1,293	299	1,005
66	2,173	684	303	2,019	1,886	328	222	1,358	1,561	101	704
67	362	106	101	312	271	96	53	201	232	10	101
68	1,192	300	254	1,344	436	74	343	306	543	1,595	1,595
69	29,006	6,140	7,483	30,730	9,899	1,953	10,936	5,995	14,391	40,084	40,084
70	112	66	35	86	189	21	28	42	98	86	145
71	186,104	139,465	57,600	105,060	302,794	27,135	26,557	68,785	145,248	148,388	266,450
72	57	39	25	24	103	13	17	24	62	23	76
73	116,675	108,561	44,165	43,331	237,206	18,496	15,772	49,455	111,948	87,524	209,083
74	14	3	14	3	16	2	2	2	2	2	11
75	13,468	5,680	2,119	31,093	7,696	1,348	2,604	2,166	8,481	2,119	10,763
76	19	5	3	11	23	2	3	8	16	6	16
77	19,174	6,523	2,077	9,061	21,004	1,842	4,381	8,543	12,470	6,238	23,812
78	11	14	3	11	2	2	2	1	7	35	84
79	24,800	5,888	2,816	7,904	1,888	320	1,312	352	4,900	14,272	15,936
80	2	3	3	170	5	3	60	47	5	367	367
81	25	25	25	4,015	5	5	5	3,550	150	150	2,755

AND RECEIPTS, BY COUNTIES: 1909.

1	3,377	1,294	1,383	2,436	4,000	1,299	644	2,657	2,155	1,625	2,944
2	392,763	114,933	97,624	253,879	451,814	152,783	70,732	277,641	202,899	120,101	300,991
3	86,150	20,915	19,821	71,563	124,260	42,973	14,930	73,106	44,305	25,646	82,815
4	3,482	1,123	1,276	2,603	4,602	1,473	689	3,173	2,402	1,927	2,774
5	230,029	41,880	43,356	96,408	527,314	173,369	55,629	264,539	224,707	103,396	82,540
6	4,149	1,388	2,271	3,879	5,162	1,534	926	3,383	3,058	2,439	3,996
7	676,587	319,064	298,344	603,585	794,273	216,348	175,653	466,234	464,077	279,908	748,283
8	137,516	25,715	28,777	63,750	150,461	58,405	27,764	131,959	75,472	42,361	78,348

AGRICULTURE—MAINE.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

		THE STATE.	Andros-coggin.	Aroostook.	Cumber-land.	Franklin.	Hancock.	Kennebec.	Knox.	Lincoln.
1	Inclusures reporting domestic animals.....	18,438	1,175	1,080	1,879	724	1,252	1,671	813	391
2	Value of domestic animals.....dollars..	4,790,026	363,747	493,181	630,085	170,177	333,176	411,109	185,808	81,717
Cattle:										
3	Total number.....	9,700	337	1,321	756	448	875	693	425	274
4	Value.....dollars..	362,654	13,431	45,795	30,817	17,098	34,644	24,883	17,560	11,213
5	Number of dairy cows.....	7,879	305	1,105	609	378	693	562	330	219
Horses:										
6	Total number.....	29,622	2,239	2,756	4,356	1,112	1,905	2,425	1,151	570
7	Value.....dollars..	4,341,987	347,443	427,616	600,562	148,255	293,555	379,196	164,795	68,603
8	Number of mature horses.....	29,291	2,223	2,664	4,337	1,095	1,882	2,890	1,138	569
Mules and asses and burros:										
9	Total number.....	86	3	35	18	.....	2	1	3	6
10	Value.....dollars..	16,566	130	0,405	3,010	.....	205	20	450	1,175
11	Number of mature mules.....	66	1	29	17	.....	1	.....	1	4
Swine:										
12	Total number.....	5,608	234	806	394	335	255	563	228	54
13	Value.....dollars..	67,261	2,564	9,458	4,269	4,246	3,058	6,035	2,254	701
Sheep and goats:										
14	Total number.....	2,062	47	256	102	151	509	91	191	5
15	Value.....dollars..	7,558	179	907	421	578	1,714	375	749	25

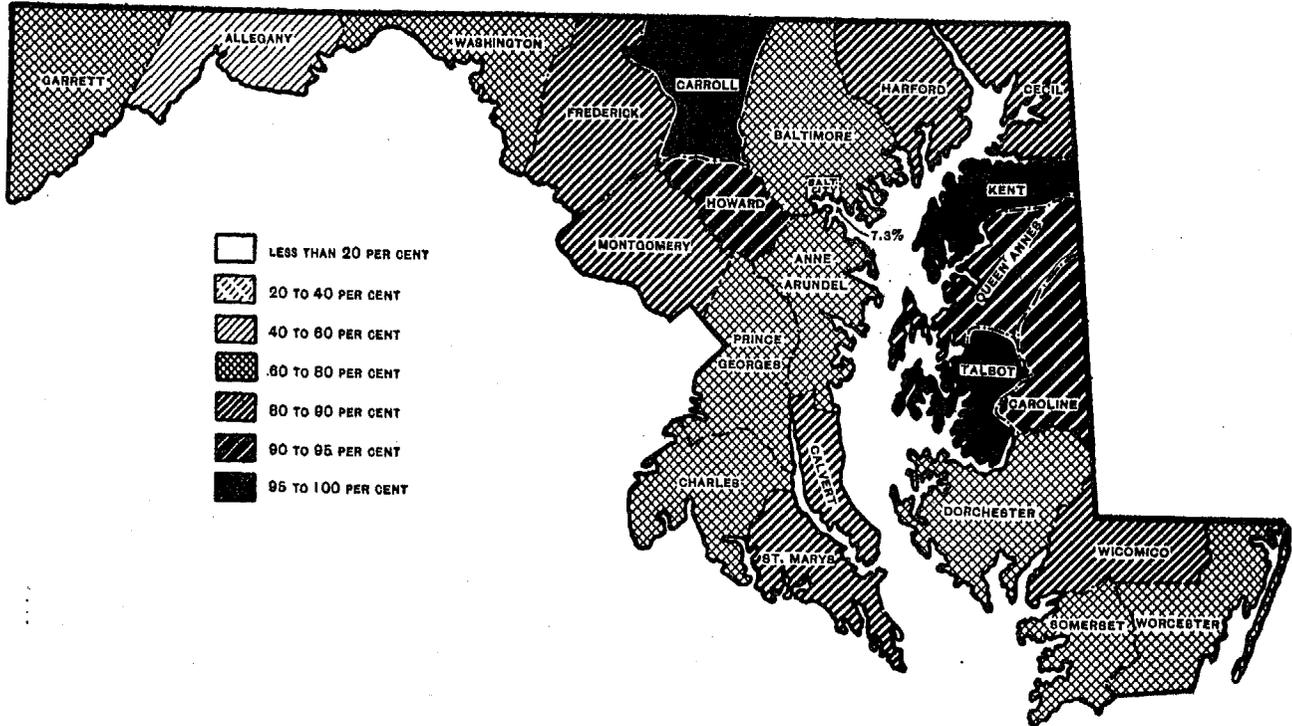
		Oxford.	Penobscot.	Piscataquis.	Sagadahoc.	Somerset.	Waldo.	Washington.	York.
1	Inclusures reporting domestic animals.....	1,009	1,868	651	456	1,205	668	1,347	1,289
2	Value of domestic animals.....dollars..	243,279	567,998	198,743	104,096	285,031	120,202	254,517	337,269
Cattle:									
3	Total number.....	549	762	325	208	533	312	1,341	541
4	Value.....dollars..	19,833	28,889	12,262	8,326	20,021	11,469	44,568	20,945
5	Number of dairy cows.....	420	647	284	180	457	270	1,012	408
Horses:									
6	Total number.....	1,631	3,234	1,119	624	1,731	961	1,543	2,205
7	Value.....dollars..	219,210	531,727	181,964	93,199	259,318	112,221	203,537	310,786
8	Number of mature horses.....	1,607	3,220	1,106	615	1,706	956	1,527	2,256
Mules and asses and burros:									
9	Total number.....	3	5	.....	1	2	1	4	2
10	Value.....dollars..	325	650	.....	25	250	75	700	140
11	Number of mature mules.....	2	4	.....	1	2	.....	3	1
Swine:									
12	Total number.....	305	559	324	169	415	100	449	418
13	Value.....dollars..	3,497	6,213	4,394	2,449	5,111	1,930	5,174	5,308
Sheep and goats:									
14	Total number.....	85	116	29	23	87	126	171	13
15	Value.....dollars..	414	519	123	97	331	507	538	81

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MARYLAND,
BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 79.5.]

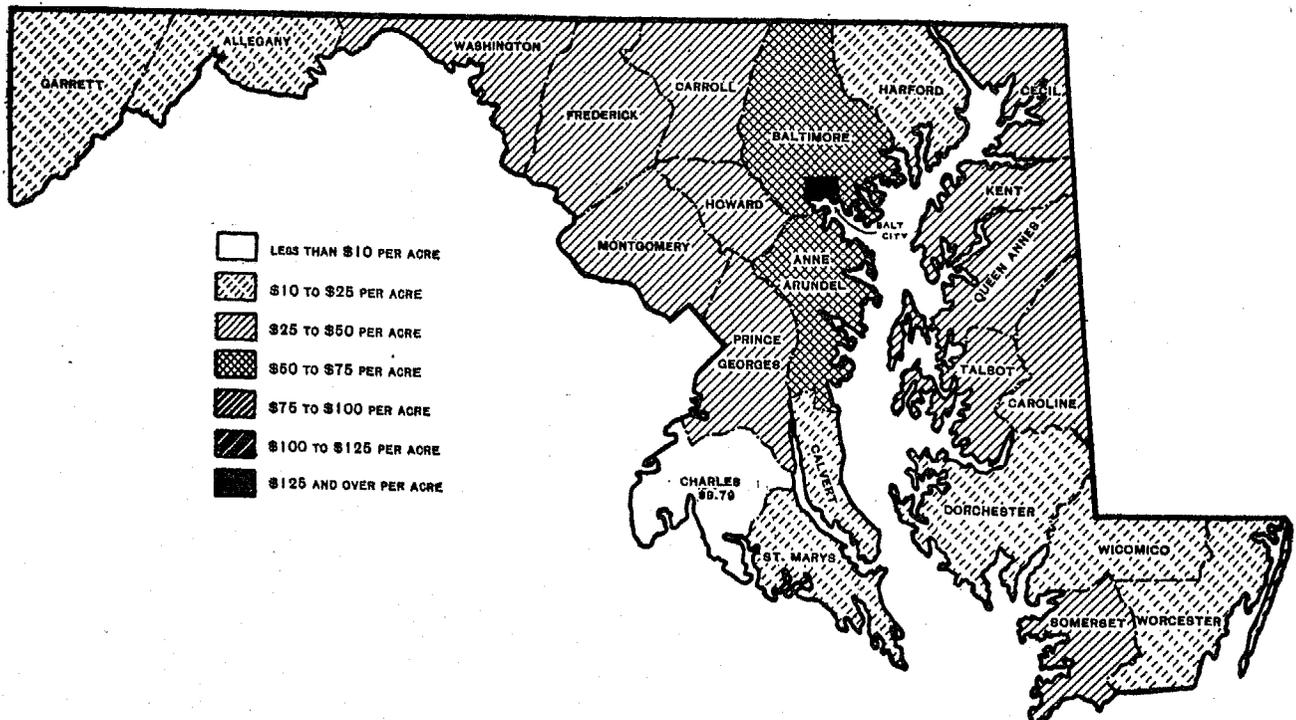
The per cent of land area in farms, when less than 20, is inserted under the county name.



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$32.32.]

When the value is less than \$10 per acre, it is inserted under the county name.

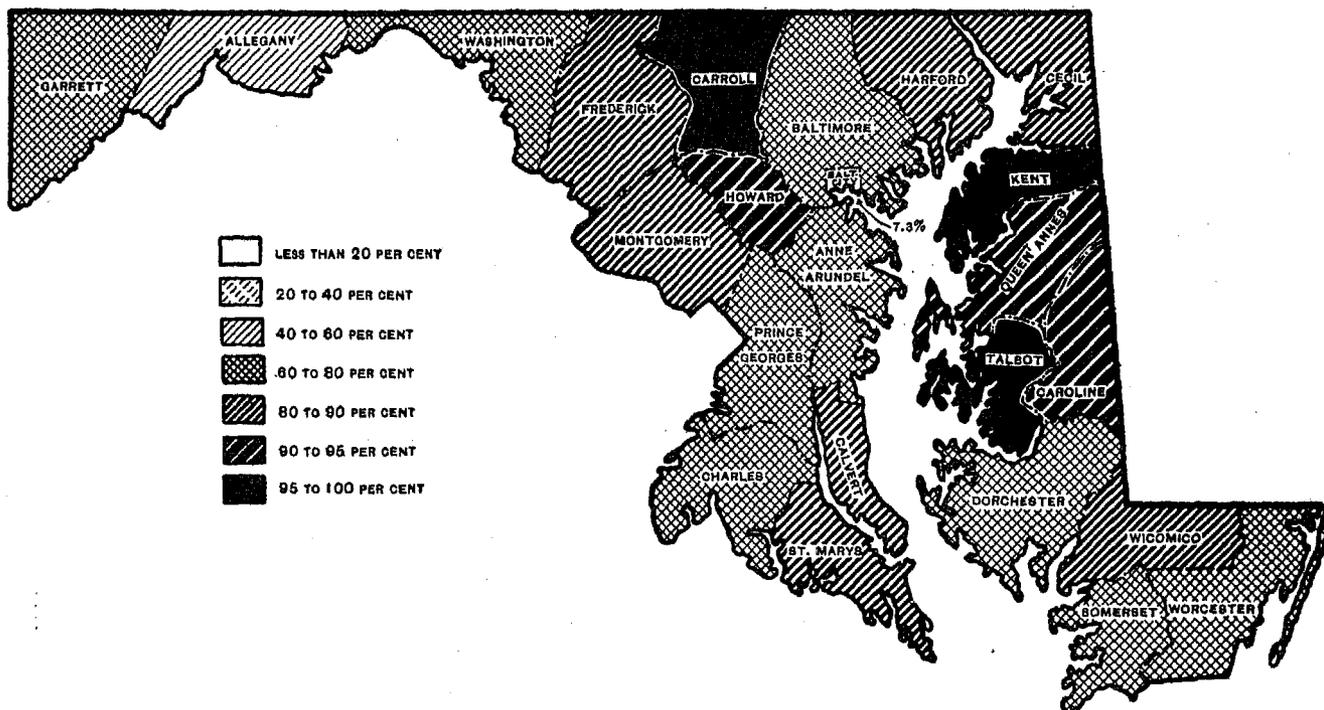


PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MARYLAND,
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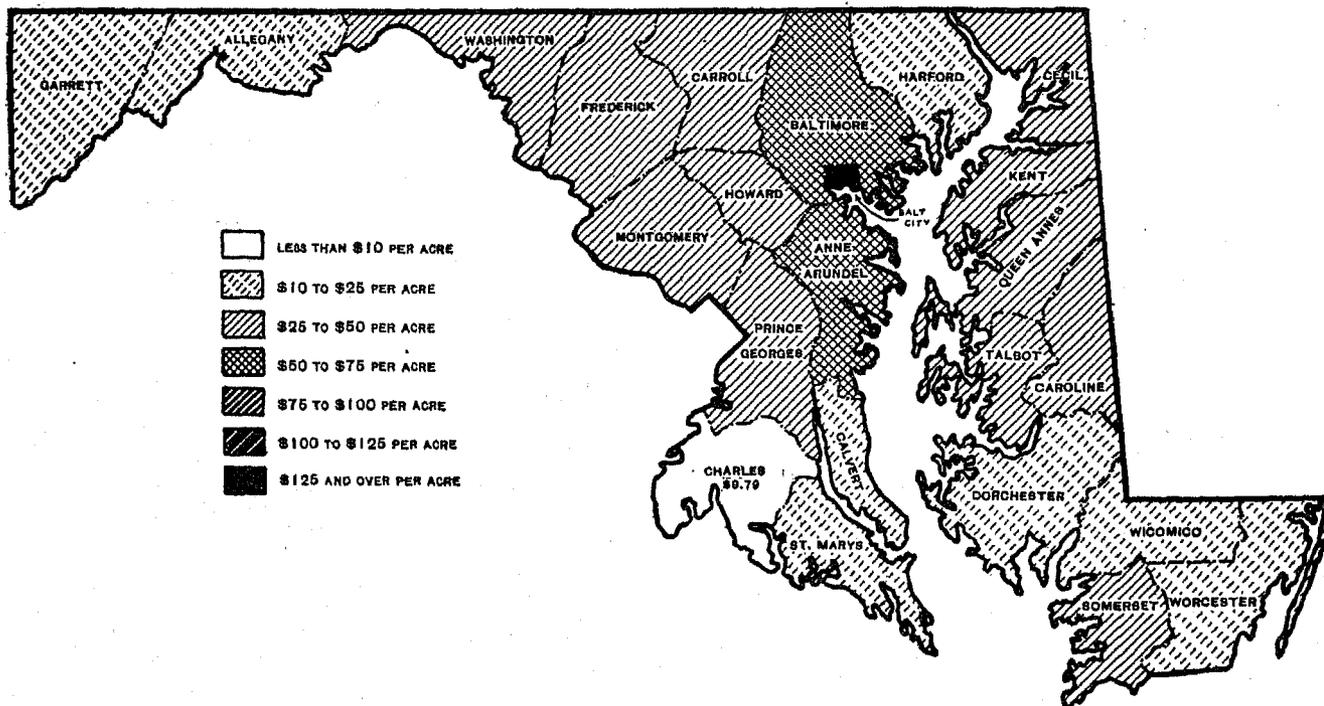
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AVERAGE VALUE OF FARM LAND PER ACRE.

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MARYLAND.

FARMS AND FARM PROPERTY.

Maryland ranks forty-first in land area and twenty-seventh in population among the states of continental United States. Its wide range of soil and climatic conditions adapts it to a great variety of agricultural products. All of that portion east of Chesapeake Bay is known as the Eastern Shore and that portion immediately west of the bay is known as southern Maryland. Both portions lie in the Coastal Plain region, which includes three-fifths of the entire state.

The soils in the upland portions of the southern counties on the Eastern Shore are prevalently sandy loams adapted to general farm crops, vegetables, and tree fruits, but there are extensive areas of poorly drained, silty soils in the lower lands. Just north of these soils and bordering the Piedmont region are extensive areas of heavy plastic clay, little used for farming, interspersed with coarse sand, adapted only to special crops. The level or slightly rolling clays, loams, and silt loams of the northern counties are better drained and especially adapted to cereals, grasses, fruits, and vegetables.

Between the Coastal Plain region and the foot of the Appalachians lies the hilly, well-drained Piedmont Plateau region, with soils ranging from soft loams to heavy clays, and especially adapted to grass, wheat, corn, and tomatoes. The Appalachian region, still farther west, consists of limestone and other valleys, with great variety in fertility and crop adaptation,

separated by extensive mountain areas, most of which are forested.

The two maps on the opposite page show by counties the proportion of the total land area which is in farms and the average value of farm land per acre. Of the state's entire land area, about four-fifths is in farms.

The first map shows that four counties on the Eastern Shore and two counties in the north central part of the state show a high proportion of farm land. The lowest proportion of farm land is shown by counties in the northwestern part of the state, by a string of four counties in the central part of the state, and by three counties in the southeastern part. Allegany County has a smaller proportion of farm land than any other county in the state except Baltimore City.

The average value of farm land per acre for the whole state is \$32.32. The second map shows that in half the counties the average value of land, excluding buildings, is between \$25 and \$50 per acre, while in eight counties it falls between \$10 and \$25. In Baltimore City, Baltimore, and Anne Arundel Counties the average value of farm land exceeds \$50 per acre.

Progress during the decade 1900 to 1910.—The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE, ¹	
			Amount.	Per cent.
Population.....	1, 295, 346	1, 188, 044	107, 302	9. 0
Number of all farms.....	48, 923	46, 012	2, 911	6. 3
Approximate land area of the state.....acres..	6, 362, 240	6, 362, 240	.....	.....
Land in farms.....acres..	5, 057, 140	5, 170, 075	-112, 935	-2. 2
Improved land in farms.....acres..	3, 354, 767	3, 516, 352	-161, 585	-4. 6
Average acres per farm.....	103. 4	112. 4	-9. 0	-8. 0
Value of farm property:				
Total.....	\$286, 167, 028	\$204, 645, 407	\$81, 521, 621	39. 8
Land.....	163, 451, 614	120, 387, 550	43, 084, 064	35. 8
Buildings.....	78, 285, 509	54, 810, 760	23, 474, 749	42. 8
Implements and machinery.....	11, 859, 771	8, 611, 220	3, 248, 551	37. 7
Domestic animals, poultry, and bees.....	32, 570, 134	20, 855, 877	11, 714, 257	56. 2
Average value of all property per farm.....	\$5, 849	\$4, 448	\$1, 401	31. 5
Average value of land per acre.....	\$32. 32	\$23. 28	\$9. 04	38. 8

¹ A minus sign (—) denotes decrease.

Between 1900 and 1910 there was an increase of 107,302, or 9 per cent, in the population of the state and of 2,911, or 6.3 per cent, in the number of farms; while there was a decrease of 112,935 acres, or 2.2 per cent, in the acreage of farm land, and of 161,585, or 4.6

per cent, in the acreage of improved land. As a result of some of these changes, the average farm decreased from 112.4 to 103.4 acres in size.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic

animals, poultry, and bees), has increased in value \$81,522,000, or 39.8 per cent. This increase is chiefly made up of increases of \$43,084,000, or 35.8 per cent, in the value of land, and of \$23,475,000, or 42.8 per cent, in the value of buildings. There is also an increase of \$14,963,000 in the value of farm equipment, including implements and machinery and live stock, of which nearly four-fifths represent a gain in the value of live stock and the remainder the increase in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$4,448, as compared with \$5,849 in 1910. The average value of land rose from \$23.28 per acre in 1900 to \$32.32 per acre in 1910, this advance being accompanied by increases in the average value per farm of land and buildings, implements and machinery, and of live stock.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Population.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land improved.
		Number.	Per cent of increase.	All land.		Improved land (acres).		
				Acres.	Per cent of increase. ¹			
1910.....	1,295,346	48,923	6.3	5,057,140	-2.2	3,354,767	79.5	66.3
1900.....	1,188,044	46,012	12.8	5,170,075	4.4	3,516,352	81.3	68.0
1890.....	1,042,300	40,798	0.7	4,952,890	-3.3	3,412,908	77.8	68.9
1880.....	934,943	40,517	50.1	5,119,831	13.5	3,342,700	80.5	65.3
1870.....	780,894	27,000	5.9	4,612,579	-6.7	2,914,007	70.9	64.6
1860.....	687,049	25,494	16.6	4,835,571	4.3	3,002,267	76.0	62.1
1850.....	683,034	21,860	.....	4,634,350	.....	2,797,905	72.8	60.4

¹ A minus sign (-) denotes decrease.

In the 60 years since 1850 the population of the state has increased by 712,312, or 122.2 per cent.

There are 48,923 farms in Maryland, or 6.3 per cent more than in 1900. The number reported almost doubled between 1850 and 1880, then changed little for a decade, but again increased considerably during the past two decades. During the entire 60-year period the number of farms increased at an average rate of 451 per year. During the first half of the period the rate was 622, and during the last half, 280 per year, while during the decade just passed it was 291.

The land surface of Maryland is approximately 6,362,240 acres in extent. Of this area, 5,057,140 acres, or 79.5 per cent, are included in farms. Of the farm acreage, 3,354,767 acres, or 66.3 per cent, are reported as improved land, representing 52.7 per cent

of the total land area of the state. The total acreage of farm land decreased 2.2 per cent during the last decade. As the reported acreage of improved land shows a greater relative decrease from 1900 to 1910 than does the total acreage in farms, the percentage of farm land which is improved is now somewhat lower than in 1900.

The table given above shows also that the acreage of land in farms has fluctuated since 1850, increasing during the first decade and decreasing during the second decade of each 20-year period. The improved acreage increased almost continuously until 1900, since which time it has decreased 4.6 per cent. The percentage of farm land which was improved increased continuously and fairly regularly from 1850, when it was 60.4 per cent, to 1890, when it was 68.9 per cent, and then decreased during the last 20 years, being 66.3 per cent in 1910. This decrease probably represents a change in classification of land by many farmers who now report as "unimproved land" some acreage which they formerly called "improved."

Values of farm property: 1850 to 1910.—The agricultural changes in Maryland since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹	Value.	Per cent of increase.	Value.	Per cent of increase.
1910.....	\$286,167,028	39.8	\$241,787,123	38.0	\$11,869,771	37.7	\$32,570,134	63.2
1900.....	204,645,407	1.9	175,178,310	0.1	8,611,220	31.7	20,855,877	3.7
1890.....	200,792,960	7.3	175,068,550	5.8	6,540,090	13.0	19,194,320	21.0
1880.....	187,157,266	20.5	165,503,341	21.4	5,788,197	37.3	15,805,728	7.6
1870.....	155,257,646	-5.7	136,295,747	-6.6	4,214,941	5.1	14,746,958	0.5
1860.....	164,652,059	68.6	145,973,677	67.4	4,010,529	62.8	14,667,853	63.4
1850.....	97,639,622	.....	87,178,545	.....	2,463,443	.....	7,997,694	.....

¹ A minus sign (-) denotes decrease.

² Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is \$286,167,000, of which 84.5 per cent is represented by land and buildings, 11.4 per cent by live stock, and 4.1 per cent by implements and machinery. During the last decade the total valuation of farm property increased by \$81,522,000, or 39.8 per cent. Each class shows a greater actual and relative increase for the last decade than for any other since 1860. From 1860 to 1870 there was a decrease in total value of farm property, followed by an increase of 20.5 per cent in the next decade, and with much smaller increases from 1880 to 1900.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Maryland farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the next table.

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	103.4	\$5,849	\$4,941	\$242	\$666	\$47.80
1900.....	112.4	4,448	3,807	187	464	33.88
1890.....	121.4	4,922	4,291	160	470	35.35
1880.....	126.4	4,619	4,085	143	392	32.33
1870 ²	107.1	5,750	5,048	156	546	30.20
1860.....	189.7	6,458	5,726	157	575	30.19
1850.....	212.0	4,467	3,988	113	366	18.81

¹ Averages are based on "all farms" in state.
² Computed gold values, being 80 per cent of the currency values reported.

In average size the Maryland farm has decreased continuously since 1850. It now averages only 103.4 acres, or less than half as many as 60 years ago. Most of this change, however, occurred during the first 30 years, when the decrease amounted to 85.6 acres. The decrease was 23 acres during the last 30 years.

The average value of a Maryland farm, including its equipment, is \$5,849, of which \$4,941 represents the value of land and buildings, \$666 that of live stock, and \$242 that of implements and machinery. The average value of land and buildings has increased \$13.92 per acre during the last decade. During the decade immediately preceding, however, it decreased \$1.47. With this slight exception it has continuously increased since 1850 and is now more than two and one-half times as great as at that time. The value per farm of equipment, which includes implements and machinery and live stock, is nearly twice as great as in 1850.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	48,923	46,012	40,798	40,517
Farms operated by owners and managers.....	34,507	30,565	28,154	27,978
Farms consisting of owned land only.....	31,120	28,018	(1)	(1)
Farms consisting of owned and hired land.....	2,399	1,495	(1)	(1)
Farms operated by managers.....	988	1,052	(1)	(1)
Farms operated by tenants.....	14,416	15,447	12,644	12,539
Share tenants.....	10,118	11,391	9,399	8,661
Share-cash tenants ²	204			
Cash tenants.....	2,938			
Tenure not specified ³	1,166	4,056	3,245	3,878
Per cent of farms operated by—				
Owners and managers.....	70.5	66.4	69.0	69.1
Tenants.....	29.5	33.6	31.0	30.9
Share and share-cash.....	21.1	24.8	23.0	21.4
Cash and nonspecified.....	8.4	8.8	8.0	9.6

¹ Not reported separately.
² Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
³ Prior to 1910 nonspecified tenants were included with cash tenants.

While there was an increase of 2,911 in the total number of farms during the past decade, there was an increase of 3,942 in the number operated by owners and managers, and a decrease of 1,031 in the number operated by tenants.

In 1880, 30.9 per cent, and in 1890, 31 per cent, of the farms were operated by tenants. In 1900 the proportion rose to 33.6 per cent, but in the last decade it

fell to 29.5 per cent. Cash tenants increased and share tenants decreased in number since 1900, but during the 20 years prior to that date the number of each kind of tenants increased. As used in this discussion, "cash tenants" include "nonspecified" and "share tenants" include "share-cash." The relative frequency of both share and cash tenants has decreased during the last decade, that of share tenants being now 21.1 per cent of all farms, or a lower percentage than in any other year covered by the table, and that of cash tenants being 8.4 per cent, or less than in any other year except 1890.

The following table shows, for white and colored farmers combined and for each class separately, the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
All farmers.....	5,057,140	5,170,075	3,354,767	3,516,352	\$241,727,123	\$175,178,310
Owners.....	2,905,318	2,790,642	1,833,482	1,889,739	132,810,705	96,318,430
Managers.....	207,291	205,754	129,269	133,977	24,468,741	12,607,880
Tenants.....	1,944,531	2,164,679	1,342,016	1,492,636	84,457,677	66,251,990
White.....	4,698,623	4,795,774	3,136,185	3,277,634	231,467,339	168,291,950
Owners.....	2,783,279	2,698,151	1,800,018	1,819,913	128,885,932	94,042,790
Managers.....	193,930	193,449	120,254	125,635	23,290,191	11,982,540
Tenants.....	1,721,414	1,904,174	1,209,013	1,332,130	79,285,216	62,266,620
Colored.....	358,517	374,301	218,582	238,668	10,269,784	6,886,360
Owners.....	122,039	101,491	76,564	69,820	3,024,773	2,275,640
Managers.....	13,361	12,305	9,015	8,342	1,172,550	625,350
Tenants.....	223,117	260,505	133,003	160,506	5,172,461	3,985,370

The following table shows, for white and colored farmers combined and for each class separately, the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
All farmers.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	68.5	64.1	57.4	54.2	56.1	53.7	54.9	55.0
Managers.....	2.0	2.3	4.1	4.0	3.0	3.8	10.1	7.2
Tenants.....	29.5	33.6	38.5	41.9	40.0	42.4	34.9	37.8
White.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	69.5	65.4	59.2	56.3	57.6	55.5	55.7	55.9
Managers.....	2.1	2.4	4.1	4.0	3.8	3.8	10.1	7.1
Tenants.....	28.4	32.3	36.6	39.7	38.6	40.6	34.3	37.0
Colored.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	62.0	55.8	34.0	27.1	35.0	29.3	38.2	33.0
Managers.....	1.4	1.8	3.7	3.3	4.1	3.5	11.4	9.1
Tenants.....	36.6	42.4	62.2	69.6	60.8	67.3	50.4	57.9

It will be seen that, in 1910, 57.4 per cent of all land in farms was in farms operated by their owners (including part owners), 4.1 per cent in farms operated by managers, and 38.5 per cent in farms operated by tenants, the percentage for tenants being lower and that for owners and for managers higher than in 1900.

Of all land in farms operated by white farmers 59.2 per cent was in farms operated by their owners and 36.6 per cent in tenant farms, while of that operated by colored farmers, 34 per cent was in farms operated by owners and 62.2 per cent in tenant farms. The

proportion of land in farms operated by owners increased between 1900 and 1910 among both classes of farmers.

As shown by the next table, the average size of farms operated by managers in 1910 (209.8 acres) was more than one and one-half times as great as that of farms operated by tenants (134.9 acres), which was in turn more than one and one-half times as great as that of farms operated by owners (86.7 acres). The average size of farms operated by managers increased between 1900 and 1910, while that of farms operated by owners and by tenants decreased. In 1910 the percentage of farm land improved was highest for farms operated by tenants, and lowest for those operated by managers.

The average size of farms operated by white farmers in 1910 (110.4 acres) was nearly twice as great as that of farms operated by colored farmers (56.3 acres); both classes of farms decreased in size between 1900 and 1910. The proportion of land improved was larger for the farms of white farmers than for those of colored farmers, being, respectively, 66.7 per cent and 61 per cent of the total acreage in each class of farms.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		1910	1900	Per farm.		Per acre.	
	1910	1900	1910	1900			1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
All farmers.....	103.4	112.4	68.6	76.4	66.3	68.0	\$4,941	\$3,807	\$47.80	\$33.88
Owners.....	86.7	94.9	55.2	64.0	64.8	67.5	3,962	3,264	45.71	34.40
Managers.....	209.8	195.6	130.8	127.4	62.4	65.1	24,766	11,985	118.04	61.28
Tenants.....	134.9	140.1	93.1	96.6	69.0	69.0	5,859	4,289	43.43	30.61
White.....	110.4	119.4	73.7	81.6	66.7	68.3	5,440	4,190	49.26	35.09
Owners.....	84.1	102.8	61.1	69.3	64.9	67.5	4,359	3,522	46.31	34.85
Managers.....	215.2	204.3	133.5	132.7	62.0	64.9	25,856	12,653	120.13	61.94
Tenants.....	142.5	146.8	100.1	102.7	70.2	70.0	6,563	4,800	46.06	32.70
Colored.....	56.3	64.1	34.3	40.8	61.0	63.8	1,612	1,179	28.65	18.40
Owners.....	30.9	31.1	19.4	21.4	62.7	68.8	994	698	32.10	22.42
Managers.....	153.6	117.2	103.6	79.4	67.5	67.8	13,478	5,956	87.76	50.82
Tenants.....	95.6	105.2	57.0	64.8	59.6	61.6	2,216	1,610	23.18	15.30

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The next table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

In 1910 the total number of farms owned in whole or in part by the operators was 33,519. Of this number, 21,084 were reported as free from mortgage, 12,127

were reported as mortgaged, and for 308 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 36.5 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is almost exactly the same as it was in 1900, but is considerably larger than it was in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses, because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that both owned farms free of mortgage and those mortgaged have increased materially in number since 1890.

CLASS.	OWNED FARMS. ¹		OWNED FARM HOMES.		OWNED FARM HOMES. ¹	
	1910		1900		1890	
	Number.	Per cent. ³	Number.	Per cent. ³	Number.	Per cent.
Total.....	33,519	.....	30,385	.....	25,969	.....
Free from mortgage.....	21,084	63.5	18,088	63.2	18,175	70.0
Mortgaged.....	12,127	36.5	10,533	36.8	7,794	30.0
Unknown.....	308	.....	1,764	.....	.....	.....

¹ Includes all farms owned in whole or in part by the operator.
² The 583 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.
³ Per cent of combined total of "free from mortgage" and "mortgaged."

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 12,127 farms reported as mortgaged, 11,232 are wholly owned by the farmers, and for 10,754 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included under 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

The average debt of mortgaged farms decreased in the 20 years from \$1,636 to \$1,457, or 10.9 per cent, while the average value of such farms decreased from \$4,251 to \$4,129, or 2.9 per cent. Thus the owner's equity increased from \$2,615 to \$2,672, or 2.2 per cent. As a result of the greater relative increase in farm value than in farm debt the mortgage indebtedness, which was 38.5 per cent of the value of the mortgaged farms in 1890, had decreased to 35.3 per cent of the value in 1910.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE. ¹	
	1910 ²	1900 ³	Amount.	Per cent.
Number.....	10,754	7,794		
Value—Land and buildings.....	\$44,998,721	\$33,135,792		
Amount of mortgage debt.....	\$15,079,773	\$12,753,827		
Per cent of debt to value.....	35.3	38.5		
Average value per farm.....	\$4,129	\$4,261	-\$122	-2.9
Average debt per farm.....	\$1,457	\$1,636	-\$179	-10.9
Average equity per farm.....	\$2,672	\$2,615	\$57	2.2

¹ A minus sign (—) denotes decrease.
² Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
³ Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

Farms by size groups: 1910 and 1900.—The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1910	1900	Number.	Percent.	1910	1900
All farmers.....	48,923	46,012	2,911	6.3	100.0	100.0
Under 3 acres.....	148	442	-294	-66.5	0.3	1.0
3 to 9 acres.....	4,977	3,303	1,584	46.7	10.2	7.4
10 to 19 acres.....	5,107	4,315	792	18.4	10.4	9.4
20 to 49 acres.....	8,629	7,683	946	12.3	17.6	16.7
50 to 99 acres.....	9,946	9,307	639	6.9	20.3	20.2
100 to 174 acres.....	11,457	11,543	-86	-0.7	23.4	25.1
175 to 499 acres.....	5,043	5,389	-346	-6.4	10.3	11.7
260 to 499 acres.....	3,027	3,270	-243	-7.4	6.2	7.1
500 to 999 acres.....	506	591	-85	-14.4	1.0	1.3
1,000 acres and over.....	83	79	4	5.1	0.2	0.2
White.....	42,551	40,169	2,382	5.9	100.0	100.0
Under 3 acres.....	141	314	-173	-55.1	0.3	0.8
3 to 9 acres.....	3,369	2,269	1,100	48.5	7.9	5.6
10 to 19 acres.....	3,780	3,145	635	20.2	8.9	7.3
20 to 49 acres.....	7,243	6,467	776	12.0	17.0	16.1
50 to 99 acres.....	9,179	8,562	617	7.2	21.6	21.3
100 to 174 acres.....	10,677	10,660	17	0.2	25.1	26.5
175 to 499 acres.....	4,732	5,044	-312	-6.2	11.1	12.6
260 to 499 acres.....	2,881	3,077	-196	-6.4	6.8	7.7
500 to 999 acres.....	471	556	-85	-15.3	1.1	1.4
1,000 acres and over.....	78	75	3	4.0	0.2	0.2
Colored.....	6,372	5,843	529	9.1	100.0	100.0
Under 3 acres.....	7	128	-121	-94.5	0.1	2.2
3 to 9 acres.....	1,608	1,124	484	43.1	25.2	19.2
10 to 19 acres.....	1,327	1,170	157	13.4	20.8	20.0
20 to 49 acres.....	1,386	1,216	170	14.0	21.8	20.8
50 to 99 acres.....	767	745	22	3.0	12.0	12.8
100 to 174 acres.....	780	883	-103	-11.7	12.2	15.1
175 to 499 acres.....	311	345	-34	-9.9	4.9	5.9
260 to 499 acres.....	146	193	-47	-24.4	2.3	3.3
500 to 999 acres.....	35	35			0.5	0.6
1,000 acres and over.....	5	4	1	25.0	0.1	0.1

¹ A minus sign (—) denotes decrease.

Almost one-fourth (23.4 per cent) of all Maryland farms are between 100 and 174 acres in size, and about one-fifth (20.3 per cent) are between 50 and 99 acres in size. The third largest group, containing 17.6 per cent of the total, consists of the farms from 20 to 49 acres. These three groups, containing the farms from 20 to 174 acres in size, include about 60 per cent of all the farms in the state. More than 20 per cent of the farms are under 20 acres in size and only about 18 per cent are 175 acres or over. A study of the distribution of farms by size groups discloses the fact that the greatest actual and relative gain in number during the decade was made in the "3 to 9 acres" group. The number of places "under 3 acres" reported as farms is but little more than one-third as great as 10 years ago. This decrease may be due to a different interpretation by the enumerator as to what to include as a small farm, or may represent an actual decrease in that type of farm. In general, there are

increases in the number of farms of all sizes between 3 and 99 acres and decreases of farms of all sizes over 100 acres, with the single exception of the small number of farms of 1,000 acres and over, which increased from 79 in 1900 to 83 in 1910.

Farms of 100 to 174 acres constituted 25.1 per cent of the total number of farms of white farmers, farms of from 50 to 99 acres, with 21.6 per cent of the total number, ranking next; among farms of colored farmers those of 3 to 9 acres, constituting 25.2 per cent of the total, formed the most numerous size group, while farms of 20 to 49 acres, with 21.8 per cent of the total, ranked next. Of the farms operated by colored farmers 46.1 per cent were farms of less than 20 acres, as compared with 17.1 per cent of the farms of white farmers.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 10,232), and also the farms of between 175 and 499 acres (numbering 8,070):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	5,057,140	5,170,075	3,354,767	3,518,352	\$241,737,123	\$175,178,310
Under 20 acres.....	97,263	82,774	80,096	70,444	17,813,279	11,173,910
20 to 49 acres.....	278,402	254,342	209,115	195,232	22,791,832	16,856,340
50 to 99 acres.....	700,098	658,833	497,340	483,390	36,304,852	26,415,580
100 to 174 acres.....	1,486,215	1,494,118	1,049,206	1,072,764	63,818,929	48,824,870
175 to 499 acres.....	2,055,882	2,066,470	1,329,921	1,460,839	87,550,084	61,645,200
500 to 999 acres.....	312,911	354,853	151,285	191,440	10,724,022	8,045,320
1,000 acres and over.....	126,369	118,685	37,204	42,243	2,734,115	2,217,090

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres.....	20.9	17.7	1.9	1.6	2.4	2.0	7.4	0.4
20 to 49 acres.....	17.6	16.7	5.5	4.9	6.2	5.6	9.4	9.6
50 to 99 acres.....	20.3	20.2	13.8	12.7	14.8	13.7	15.0	15.1
100 to 174 acres.....	23.4	25.1	26.4	28.9	31.3	30.5	26.4	27.9
175 to 499 acres.....	16.5	18.8	40.7	42.7	39.0	41.5	36.2	35.2
500 to 999 acres.....	1.0	1.3	6.2	6.9	4.5	5.4	4.4	4.6
1,000 acres and over.....	0.2	0.2	2.5	2.3	1.1	1.2	1.1	1.3

Of the total farm acreage of the state in 1910, 40.7 per cent was in farms of 175 to 499 acres, and 29.4 per cent in farms of 100 to 174 acres, these two being from the standpoint of aggregate acreage the most important size groups. There were no notable changes between 1900 and 1910 in percentage distribution of the total farm acreage by size groups.

As shown by the next table, the percentage of farm land improved diminishes as the average size of the farms increases. For this reason and also because buildings have normally a higher value in proportion

to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	68.3	68.0	\$4,941	\$3,807	\$47.80	\$33.88
Under 20 acres.....	83.0	75.9	1,741	1,371	183.15	134.99
20 to 49 acres.....	75.1	76.8	2,641	2,194	81.87	68.27
50 to 99 acres.....	71.0	73.4	3,650	2,838	61.86	40.09
100 to 174 acres.....	70.6	71.8	5,570	4,230	42.94	32.68
175 to 499 acres.....	64.7	66.2	10,849	7,119	42.59	27.94
500 to 999 acres.....	48.3	53.9	21,194	13,613	34.27	22.67
1,000 acres and over.....	29.4	35.6	32,941	28,064	21.64	18.63

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910.

Almost seven-eighths of the Maryland farmers were

whites and about one-eighth were negroes. The non-white farmers also included one Indian and one Chinese. Only 15.1 per cent of the foreign-born white farmers were tenants, while 29 per cent of the native white and 36.6 per cent of the nonwhite farmers were in this class.

Of the total of 1882 foreign-born white farmers in Maryland in 1910, 1,126 were born in Germany, 153 in England, 151 in Ireland, 88 in Austria, 54 in Scotland, 51 in Russia, and 47 in Canada. Other European countries were represented by a total of 206 farmers, and non-European countries, other than Canada, by 6.

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Owners.	Tenants.	Managers.	Per cent of total.		
	Number.	Per cent distribution.				Owners.	Tenants.	Managers.
Total.....	48,923	100.0	33,519	14,416	988	68.5	29.5	2.0
Native white.....	40,669	83.1	28,047	11,797	825	69.0	29.0	1.0
Foreign-born white.....	1,882	3.8	1,522	284	76	80.9	15.1	4.0
Negro and other nonwhite.....	6,372	13.0	3,950	2,335	87	62.0	36.6	1.4

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in date of enumeration will be discussed.

The total value of live stock on farms, including domestic animals, poultry, and bees in 1910 was \$32,570,000, of which domestic animals contributed \$30,650,000. The value of cattle represented 24.2 per cent of the total value of live stock; that of horses and mules, 60.9 per cent; that of swine, 5.4 per cent; that of sheep and lambs, 3.5 per cent; and that of poultry, 5.7 per cent, the other classes being insignificant.

The next table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

Of the total number of farms enumerated, 46,672, or 95.4 per cent, report domestic animals of some kind, the number without any domestic animals being only 2,251.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Percent of all farms.	Number.	Value.	Average value.
Total.....	46,672	95.4	.....	\$30,640,961	.....
Cattle	39,653	81.1	287,751	7,869,526	\$27.35
Dairy cows (cows and helpers kept for milk, born before Jan. 1, 1909).....	38,820	79.4	166,850	5,580,210	33.44
Other cows (cows and helpers not kept for milk, born before Jan. 1, 1909).....	6,910	14.1	18,816	418,661	21.98
Helpers born in 1909.....	12,735	26.0	27,226	407,692	14.97
Calves born after Jan. 1, 1910.....	10,742	34.2	39,064	335,650	8.59
Steers and bulls born in 1909.....	5,546	11.3	10,508	194,528	18.61
Steers and bulls born before Jan. 1, 1909.....	9,083	18.6	25,278	937,770	37.10
Horses	42,374	86.6	155,438	16,787,487	108.06
Mares, stallions, and geldings born before Jan. 1, 1909.....	42,240	86.3	137,278	15,830,073	115.72
Colts born in 1909.....	8,706	17.8	12,318	723,072	58.70
Colts born after Jan. 1, 1910.....	4,666	9.5	5,842	178,322	30.52
Mules	8,869	18.1	22,667	3,043,581	134.27
Mules born before Jan. 1, 1909.....	8,603	17.6	21,498	2,967,983	138.06
Mule colts born in 1909.....	529	1.1	860	63,908	73.54
Mule colts born after Jan. 1, 1910.....	245	0.5	300	11,690	38.97
Asses and burros	65	0.1	101	35,450	350.99
Swine	35,194	71.9	301,583	1,785,857	5.86
Hogs and pigs born before Jan. 1, 1910.....	31,708	64.8	196,415	1,476,180	7.53
Pigs born after Jan. 1, 1910.....	13,807	28.3	105,168	289,677	2.75
Sheep	6,228	12.7	237,137	1,142,365	4.82
Ewes born before Jan. 1, 1910.....	6,128	12.5	119,800	648,094	5.41
Rams and wethers born before Jan. 1, 1910.....	3,291	6.7	6,445	33,791	6.02
Lambs born after Jan. 1, 1910.....	5,802	11.9	110,886	458,080	4.11
Goats	198	0.4	1,182	5,115	4.33

Of all the farms in the state, 81.1 per cent report cattle, 79.4 per cent reporting "dairy cows," and 14.1 per cent "other cows." Only 827 farms have cattle without having dairy cows. The total number of cows materially increased during the decade, while the average value of dairy cows increased from \$29.47 to \$33.44. The farms reporting dairy cows show an average of over 4 per farm.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on an average younger than at the enumeration of 1900. As a result, the calves enumerated were fewer in number in 1910 than in 1900; the number decreased from 55,465 to 39,064, but the average value increased from \$8.18 to \$8.59.

Horses are reported by 86.6 per cent of all farms in the state, but only 17.8 per cent report colts born in 1909 and 9.5 per cent report spring colts. Mature horses are valued at \$115.72.

About one farm out of every five reports mules. The average value of mules of the different ages is considerably higher than those of horses of the corresponding age groups.

Sheep and lambs are reported from 6,228 farms, or 12.7 per cent of all farms in the state. Of these 6,228 farms, 93.2 per cent report spring lambs, the number of the latter being equal to 92.6 per cent of the number of ewes. Ewes are reported from all but 100 of the farms reporting sheep, and for the farms reporting the average is nearly 20 ewes per farm. The farms reporting rams and wethers show an average of about 2 per farm.

Of all farms, 71.9 per cent report swine, the average number being over 8 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is \$7.52, while that of spring pigs is a little more than one-third as much.

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	
	Number.	Per cent of all farms.			
Total.....	46,054	94.1	2,908,958	\$1,858,570	2,305,645
Chickens.....	46,008	94.0	2,650,750	1,616,010	2,113,544
Turkeys.....	14,728	30.1	60,260	134,106	101,782
Ducks.....	8,753	17.9	50,232	29,796	56,930
Geese.....	4,909	10.0	23,606	36,400	33,389
Guinea fowls.....	9,758	19.9	51,653	19,165	(1)
Pigeons.....	2,777	5.7	72,435	23,035	(2)
Peafowls.....	8	(3)	22	58	(3)

¹ Included with chickens. ² Not reported. ³ Less than one-tenth of 1 per cent.

The increase in the number of fowls on Maryland farms during the 10 years from 1900 to 1910 amounts to 26.2 per cent, but the value increased from

\$1,158,000 to \$1,859,000, or 60.5 per cent. The number of farms reporting poultry increased from 42,295 to 46,054, and the average number of fowls per farm reporting from 55 to 63. All but 46 of the farms reporting poultry report chickens, which constitute 91.1 per cent of the number and 86.9 per cent of the value of all fowls in 1910. The value of poultry and number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 5,098 in 1900 to 4,186 in 1910, or 17.9 per cent. The number of colonies of bees decreased from 28,013 to 23,156, or 17.3 per cent, and their value increased from \$61,013 to \$61,603, or 1 per cent. The average value of bees per farm reporting was \$11.97 in 1900 and \$14.72 in 1910. About eight farms in every hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total.....	26,838	.....	\$7,195,972	.....
All cattle.....	8,224	14,710	484,112	\$32.91
Dairy cows.....	7,859	11,009	422,415	38.37
Horses.....	18,543	40,121	5,952,420	148.36
Mules.....	957	3,589	506,937	153.85
Asses and burros.....	31	55	10,525	191.36
Swine.....	9,201	24,424	176,355	7.22
Sheep.....	52	671	3,242	4.83
Goats.....	250	384	2,331	6.07

As would be expected, horses are the most important class of domestic animals not on farms, both in number and in value, swine ranking second in number, while mules are second in value.

Domestic animals on farms and not on farms: 1910.—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
Total.....	.....	\$37,846,933	.....	\$30,649,961	.....	\$7,195,972
All cattle.....	302,401	8,353,638	287,751	7,569,526	14,710	484,112
Dairy cows.....	177,808	6,002,625	166,859	5,630,210	11,009	422,415
Horses.....	195,559	22,739,887	155,433	16,787,467	40,121	5,952,420
Mules.....	26,236	3,610,538	22,667	3,043,581	3,569	506,937
Asses and burros.....	156	45,975	101	35,450	55	10,525
Swine.....	326,007	1,942,212	301,583	1,765,857	24,424	176,355
Sheep.....	237,803	1,146,207	237,137	1,142,965	671	3,242
Goats.....	1,566	7,446	1,182	5,115	384	2,331

The total value of all domestic animals in the state in 1910 was \$37,846,000, of which the value of animals not on farms constituted 19 per cent.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops, the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms April 15, 1910.....	38,826	79.4	166,859	Head	.....	.....
On farms reporting dairy products in 1909.....	33,830	69.1	153,548	Head	.....	.....
On farms reporting milk produced in 1909.....	25,592	52.3	114,872	Head	.....	.....
Specified dairy products, 1909:						
Milk reported.....			41,094,421	Gals.	.....	.....
Butter made.....	28,871	59.0	8,739,020	Lbs.	\$2,010,108	\$0.23
Cheese made.....	202	0.4	259,386	Lbs.	20,277	0.10
Milk sold.....	5,632	11.5	19,424,325	Gals.	3,004,878	0.16
Cream sold.....	630	1.3	465,496	Gals.	205,963	0.65
Butter fat sold.....	321	0.7	343,148	Lbs.	83,676	0.24
Butter sold.....	19,572	40.0	5,682,228	Lbs.	1,313,822	0.23
Cheese sold.....	180	0.4	251,071	Lbs.	25,893	0.10
Total receipts from sales, 1909.....					4,784,232	.....
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					5,480,900	.....
Specified dairy products, 1899:						
Butter made.....	28,449	61.8	9,096,062	Lbs.	.....	.....
Cheese made.....	251	0.5	338,453	Lbs.	.....	.....
Butter sold.....			5,828,684	Lbs.	1,069,755	0.18
Cheese sold.....			328,577	Lbs.	14,729	0.04

The number of farms reporting dairy cows on April 15, 1910, was 38,826, but only 33,830 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 25,592 (considerably less than the total number reporting dairy products), and the number of dairy cows on such farms on April

15, 1910, was 115,000. The amount of milk reported was 41,094,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 358 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk and cream sold as such and sold on the butter fat basis and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$5,481,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Somewhat less than one-half of the milk reported as produced by Maryland farmers in 1909 was sold as such. The butter made on farms in 1909 was valued at \$2,010,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a decrease between 1899 and 1909 in the amount of butter made, and also a decrease in the production of cheese.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.¹

The total number of sheep of shearing age in Maryland on April 15, 1910, was 126,000, representing an increase of 13.2 per cent as compared with the number on June 1, 1900 (112,000). The approximate production of wool during 1909 was 122,000 fleeces, weighing 705,000 pounds and valued at \$200,000. Of these

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,365 farmers who reported the possession of 22,250 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

totals about 15 per cent represents estimates. The number of fleeces produced in 1909 was 7.5 per cent greater than in 1899. The average weight per fleece in 1909 was 5.8 pounds, as compared with 5.6 pounds in 1899, and the average value per pound was 28 cents, as compared with 23 cents in 1899.

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	6,157	126,251			
Wool produced, as reported, 1909.	5,002		104,136	601,507	\$170,257
On farms reporting sheep April 15, 1910.....	4,792	104,001	100,558	581,017	164,678
On other farms.....	210		3,578	20,490	5,579
Total production of wool (partly estimated):					
1909.....			122,071	705,320	199,909
1899.....			113,598	632,119	142,966
Increase, 1899 to 1909.....			8,473	73,201	56,943
Per cent of increase.....			7.5	11.6	39.8

Goat hair and mohair: 1909 and 1899.—Although 198 farmers reported 1,182 goats and kids on their farms April 15, 1910, only 27 reported the production of goat hair or mohair during 1909. These farmers reported 465 fleeces, weighing 1,570 pounds and valued at \$474. In 1899 no production of goat hair or mohair was reported.

Poultry products: 1909 and 1899.—The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms April 15, 1910.....	46,054	2,908,958		
On farms reporting eggs produced in 1909.....	41,214	2,726,416		
On other farms.....	4,840	182,542		
Eggs produced, as reported, 1909.....	41,506		14,464,013	\$3,012,931
Total production of eggs (partly estimated):				
1909.....			15,533,732	3,235,759
1899.....			12,511,450	1,872,682
Increase, 1899 to 1909.....			3,022,282	1,603,077
Per cent of increase.....			24.2	105.7
Eggs sold, as reported, 1909.....	37,547		10,526,537	2,191,615
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909.....	41,427	2,722,810		
On other farms.....	4,627	186,148		
Poultry raised, as reported, 1909.....	41,835		No. of fowls.	2,818,080
Total poultry raised (partly estimated):			5,568,745	
1909.....			5,949,459	3,011,882
1899.....				2,077,400
Increase, 1899 to 1909.....				933,882
Per cent of increase.....				45.0
Fowls sold, as reported, 1909.....	32,340		2,273,501	1,313,301

The total number of fowls on Maryland farms on April 15, 1910, was 2,909,000. Of the 46,054 farms reporting fowls, 4,840 did not report any eggs produced in 1909, and 4,627 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 14,464,000 dozens, valued at \$3,013,000. According to the Twelfth Census reports, the production of eggs in 1899 was 12,511,000

dozens, the value being \$1,573,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 15,534,000 dozens, valued at \$3,236,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 5,949,000 fowls, valued at \$3,011,000.

Honey and wax: 1909.—Although, as noted elsewhere, 4,186 farms reported 23,156 colonies of bees on hand April 15, 1910, 1,538 of these farms, with 4,501 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 306,367 pounds of honey, valued at \$38,164 and 4,358 pounds of wax, valued at \$1,080; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The following statement presents statistics relating to the sale or slaughter of domestic animals by Maryland farmers during the year 1909, with certain items for 1899:

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$5,399,896	
Slaughtered.....				3,069,871	
Cattle:					
Sold.....	22,369	45.7	92,359	788,579	\$8.54
Slaughtered.....	431	0.9	2,110	17,135	8.12
Other cattle:					
Sold.....	11,866	24.3	56,863	2,106,131	37.04
Slaughtered.....	3,080	6.3	5,870	188,907	32.18
Horses:					
Sold.....	5,069	10.4	10,549	1,114,751	105.67
Mules:					
Sold.....	718	1.5	1,882	211,825	112.55
Asses and burros:					
Sold.....	13	(¹)	64	2,273	35.52
Swine:					
Sold.....	11,425	23.4	143,415	823,024	5.74
Slaughtered.....	32,031	67.3	180,400	2,848,309	15.79
Sheep:					
Sold.....	3,096	6.3	76,827	352,049	4.53
Slaughtered.....	530	1.1	2,952	15,476	5.24
Goats:					
Sold.....	31	0.1	319	1,264	3.96
Slaughtered.....	6	(¹)	13	44	3.38
1899—All domestic animals:					
Sold.....				2,372,560	
Slaughtered.....				2,173,197	

¹ Less than one-tenth of 1 per cent.

² Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$5,400,000 and that of animals slaughtered on farms \$3,070,000, making an aggregate of \$8,470,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented somewhat more than one-half of the total value of animals sold, and the total value of horses sold represented more than one-fifth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the total value of those slaughtered during

1899, which amounted, respectively, to \$2,373,000 and \$2,173,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with another it should be borne in mind that acreage is on the whole a better index of the general

changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase. ¹		1909	1899	1909	1899	Increase. ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$43,920,140	\$30,216,969	\$13,703,180	45.4	100.0	100.0
Crops with acreage reports.....	1,931,972	1,940,093	-8,121	-0.4	57.6	55.2							
Cereals.....	1,329,201	1,368,265	-39,064	-2.9	39.6	38.9	39,680,648	27,655,785	12,034,863	43.5	90.4	91.5	
Other grains and seeds.....	940	1,562	-622	-39.8	(²)	(²)	21,908,730	14,505,992	7,402,738	51.0	49.9	48.0	
Hay and forage.....	308,842	374,848	-65,994	6.4	11.9	10.7	14,527	19,941	-5,414	-27.2	(²)	0.1	
Tobacco.....	26,072	42,911	-16,839	-39.2	0.8	1.2	6,011,749	4,709,072	1,302,677	27.7	13.7	15.0	
Sugar crops.....	80	63	17	(⁴)	(²)	(²)	1,457,112	³ 1,438,169	18,943	1.3	3.3	4.8	
Sundry minor crops.....	185	129	56	43.4	(²)	(²)	1,966	1,873	83	4.4	(²)	(²)	
Potatoes and sweet potatoes and yams.....	47,255	32,941	14,314	43.5	1.4	0.9	19,020	4,616	14,404	312.0	(²)	(²)	
Other vegetables.....	103,084	100,403	2,681	7.7	3.2	2.9	2,266,705	1,337,465	929,240	69.5	5.2	4.4	
Flowers and plants and nursery products.....	4,718	1,449	3,269	225.6	0.1	(²)	5,720,400	3,978,207	1,751,133	44.0	13.0	13.2	
Small fruits.....	16,695	17,522	-927	-5.3	0.5	0.5	1,053,901	479,336	574,565	119.9	2.4	1.0	
							1,227,548	1,181,054	46,494	3.9	2.8	3.0	
Crops with no acreage reports.....													
Seeds.....							4,229,501	2,561,184	1,668,317	65.1	9.6	8.5	
Fruits and nuts.....							81,577	53,903	27,614	51.2	0.2	0.2	
Maple sugar and sirup.....							1,577,978	⁶ 1,811,386	266,592	20.3	3.6	4.3	
Forest products of farms.....							34,386	24,183	10,203	42.2	0.1	0.1	
Miscellaneous.....							2,349,045	1,170,362	1,178,683	100.7	5.3	3.9	
							186,515	1,260	185,225	14,358.1	0.4	(²)	

¹ A minus sign (-) denotes decrease.

² Less than one-tenth of 1 per cent.

³ Corrected from 1900 Report on Agriculture, Part II.

⁴ Per cent not calculated when base is less than 100.

⁶ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$43,920,000. Of this amount, 90.4 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 1,931,972, representing 57.6 per cent of the total improved land in farms (3,354,767 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of Maryland agriculture is indicated by the fact that about one-half (49.9 per cent) of the total value of the crops in 1909 was contributed by the cereals, about one-sixth (18.2 per cent) by potatoes and other vegetables, and more than one-eighth (13.7 per cent) by hay and forage. The

remainder, representing 18.2 per cent of the total, consisted mostly of forest products, fruits and nuts, tobacco, small fruits, and flowers and plants and nursery products.

The value of crops in 1909 was 45.4 per cent greater than in 1899, this increase being no doubt due in part to higher prices. There was a decrease of 0.4 per cent in the total acreage of crops for which acreage was reported; the principal absolute decreases were those in the acreage of cereals and tobacco, and the principal absolute increase that in the acreage of hay and forage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The next table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops.

The leading crops covered by the table, in the order of their importance as judged by value, are corn, \$11,015,000; wheat, \$9,876,000; hay and forage, \$6,012,000; potatoes, \$1,783,000; and tobacco,

\$1,457,000. It should be noted, however, that several crops, statistics for which appear elsewhere, are more important than several of the crops mentioned.

The reported value of corn is over half that of all cereals, while wheat is almost nine-tenths as valuable as corn. This leaves relatively small amounts for the other cereals, the combined value of which is but little over a million dollars. The value of hay and forage is more than a fourth that of the cereals. "Timothy and clover mixed" and "timothy alone" constitute over four-fifths of the acreage and over five-sixths of the value of all hay and forage crops. The next in order in both acreage and value is "clover alone." The only remaining crops reaching the million mark in value are potatoes and tobacco.

CROP.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total		1,329,201	29,183,197	Bu...	\$21,908,739
Corn.....	42,084	647,012	17,911,436	Bu...	11,015,298
Oats.....	8,831	49,210	1,160,663	Bu...	634,395
Wheat, total.....	23,358	589,893	9,403,457	Bu...	9,876,450
Common winter.....	23,356	589,890	9,403,392	Bu...	9,876,414
Durum or macaroni.....	2	3	65	Bu...	66
Broom and spelt.....	27	92	2,171	Bu...	1,246
Barley.....	1,215	4,494	135,454	Bu...	79,231
Buckwheat.....	2,411	10,388	152,216	Bu...	99,216
Rye.....	5,181	28,093	357,662	Bu...	252,091
Kafir corn and milo maize.....	9	19	238	Bu...	173
Other grains and seeds with acreage report, total		940	7,470	Bu...	14,527
Dry edible beans.....	312	2 190	1,833	Bu...	3,342
Dry peas.....	350	2 742	5,008	Bu...	11,143
Seeds with no acreage report, total					81,577
Timothy seed.....	71	(3)	3,687	Bu...	4,041
Clover seed.....	703	(3)	8,909	Bu...	65,427
Millet seed.....	2	(3)	60	Bu...	53
Other tame grass seed.....	9	(3)	2,424	Bu...	2,659
Flower and garden seeds.....	12	(3)			8,702
Hay and forage, total	29,642	398,842	477,564	Tons.	6,011,749
Timothy alone.....	11,737	135,941	159,690	Tons.	2,308,448
Timothy and clover mixed.....	15,099	200,823	215,052	Tons.	2,835,080
Clover alone.....	4,113	20,545	32,042	Tons.	357,622
Alfalfa.....	789	3,188	6,806	Tons.	104,633
Millet or Hungarian grass.....	711	2,122	2,310	Tons.	31,387
Other tame or cultivated grasses.....	851	5,873	5,856	Tons.	69,734
Wild, salt, or prairie grasses.....	504	4,100	5,081	Tons.	37,323
Grains cut green.....	2,188	8,846	12,218	Tons.	114,882
Coarse forage.....	1,261	11,327	37,032	Tons.	150,814
Root forage.....	9	3	68	Tons.	620
Potatoes	34,870	39,299	3,444,311	Bu...	1,782,954
Sweet potatoes and yams.....	11,175	7,956	1,065,956	Bu...	433,761
Tobacco.....	4,392	20,072	17,845,699	Lbs..	1,457,112
Sundry minor crops, total ¹		185			19,020
Broom corn.....	291	19	18,599	Lbs..	2,006
Willows.....	10	159	223,232	Lbs..	16,800

¹ Includes small amounts of flaxseed and peanuts.
² A considerable part of this acreage is probably a duplication of other crop acreage.
³ The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.
⁴ Includes small amounts of cotton, hemp, and hops.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the next table.

There has been remarkable stability in the number of acres devoted to the leading crops during the past three decades. The greatest acreage of corn was reported in 1879 and the lowest in 1889. The acreage of wheat was greatest in 1899 and lowest in 1889. Since 1889 the acreage of potatoes harvested has shown a steady increase in each decade. Tobacco shows a net loss, while oats have lost over 50 per cent. Hay and forage has made gains in each decade, increasing 6.4 per cent from 1899 to 1909.

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Hay and forage.	Potatoes.	Tobacco.
1909.....	647,012	49,210	589,893	398,842	39,299	26,072
1899.....	658,010	44,625	634,446	374,848	26,472	42,911
1889.....	580,817	99,195	510,727	372,626	24,987	20,274
1879.....	664,928	101,127	569,206	259,511	(1)	38,174

¹ Not reported.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Percent of increase in acres, 1899 to 1909. ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899			
	Corn.....	36.0	39.6	19.3				18.7	-1.7	27.7 Bu.	$17.02
Oats.....	18.1	17.2	1.5	1.3	10.3	23.6 Bu.	11.88
Wheat.....	47.7	57.2	17.6	18.0	-7.0	16.0 Bu.	16.74
Barley.....	2.5	1.0	0.1	(2)	196.6	30.1 Bu.	17.63
Buckwheat.....	4.9	4.7	0.3	0.2	29.1	14.7 Bu.	9.55
Rye.....	10.6	9.8	0.8	0.6	29.9	12.7 Bu.	8.99
Hay and forage.....	60.6	65.2	11.9	10.7	6.4	1.20 Tons.	15.07
Potatoes.....	71.3	62.1	1.2	0.8	48.5	87.6 Bu.	45.37
Tobacco.....	9.0	11.6	0.8	1.2	-39.2	684.5 Lbs.	55.89

¹ A minus sign (-) denotes decrease. ² Less than one-tenth of 1 per cent.

Corn is grown by more than 4 out of 5 farms, winter wheat by nearly 5 in 10, oats by less than 1 in 5, rye by 1 in 10, and other cereals by very few. More than 6 farms out of every 10 report hay and forage, and more than 7 out of 10 potatoes. About one-fifth of the improved land is reported in corn, about a sixth in wheat, and about an eighth in hay and forage.

The greatest percentages of increase in acres for the last decade were reported for barley, potatoes, rye, and buckwheat. Decreases are recorded in tobacco, wheat, and corn, and slight increases in oats and hay and forage.

Among the cereals barley holds first place in value per acre, with corn and wheat in close succession. Hay and forage is worth a little less per acre than these crops, but decidedly more than oats, buckwheat, or rye.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The next table shows details with regard to vegetables (not including potatoes and sweet potatoes and yams which appear elsewhere), and also with regard to flowers and plants and nursery products.

In 1909 the total acreage of potatoes and other vegetables was 155,339 and their value \$7,996,105. Excluding (so far as separately reported¹) potatoes and sweet potatoes and yams, the acreage of vegetables was

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

108,084 and their value \$5,729,000, both acreage and value being greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were, in 1909, 2,222 farms in the first class, representing more than one-half of the total acreage of vegetables and nearly one-half of the total value, the average acreage of vegetables per farm being 26.9 and the average value of product per acre \$45.40.

The raising of flowers and plants and of nursery products was also of some importance in Maryland, 4,718 acres being devoted to them in 1909, and the output being valued at \$1,053,901. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

CROP.	FARMS REPORTING, 1909		ACRES.		VALUE OF PRODUCTS.	
	Number.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.	42,351	86.6	108,084	100,403	\$5,729,400	\$3,978,207
Farms reporting a product of \$500 or over.	2,222	4.5	59,782		2,713,405	
All other farms.	40,129	82.0	48,322		3,015,995	
Flowers and plants, total.	200	0.4	478	174	597,001	355,862
Farms reporting a product of \$250 or over.	150	0.3			501,098	
All other farms.	44	0.1			5,903	
Nursery products, total.	71	0.1	4,240	1,275	456,900	123,474
Farms reporting a product of \$250 or over.	29	0.1			449,854	
All other farms.	42	0.1			7,046	

¹ Does not include 2,414 farms which reported that they had vegetable gardens, but gave no information as to their products.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting, 1909	ACRES.		Quantity (quarts), 1909	Value, 1909
		1909	1899		
Small fruits, total.		16,595	17,522	26,277,054	\$1,227,548
Strawberries.	7,468	14,292	13,980	23,011,095	1,070,072
Blackberries and dewberries	979	1,180	1,501	1,372,164	68,817
Raspberries and loganberries.	1,333	846	1,385	959,369	67,516
Currants.	306	36	65	34,009	3,188
Gooseberries.	365	241	234	300,321	18,000
Other berries.	1	(¹)	357	96	

¹ Less than 1 acre.

Strawberries are by far the most important of the small fruits raised in Maryland, with blackberries and dewberries ranking next. The total acreage of small fruits in 1909 was 16,595, and in 1899, 17,522, a decrease of 5.3 per cent. The production in 1909 was 26,277,000 quarts, as compared with 27,958,000 quarts in 1899, and the value was \$1,228,000 in 1909, as compared with \$1,181,000 in 1899.

Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.—The following table presents data with regard to orchard fruits, grapes, nuts, and tropical fruits. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

CROP.	TREES OR VINES OF BEARING AGE, 1910		TREES OR VINES NOT OF BEARING AGE, 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. ¹	Value.	Quantity. ¹
Orchard fruits, total.		3,501,774		1,671,435	2,577,359	\$1,517,400	3,710,666
Apples.	34,798	1,288,482	17,157	600,686	1,822,824	902,077	3,150,673
Peaches and nectarines.	14,464	1,497,724	9,027	805,063	324,609	361,617	172,303
Pears.	23,199	540,583	7,853	138,152	367,359	168,561	301,702
Plums and prunes.	10,439	69,996	4,398	29,478	13,526	16,192	19,945
Cherries.	14,002	82,305	4,613	27,774	42,315	60,121	60,452
Apricots.	998	1,747	470	1,127	365	448	313
Quinces.	5,853	20,036	2,288	9,145	6,359	8,383	(²)
Mulberries.	1	1	2	11	2	1	(²)
Unclassified.							³ 5,278
Grapes.	11,718	138,801	2,328	44,690	2,152,382	\$53,498	1,685,900
Nuts, total.		11,780		4,227	318,148	\$5,687	65,950
Persian or English walnuts.	754	2,008	444	1,758	6,010	745	50
Pecans.	39	172	63	480	1,717	85	50
Black walnuts.	1,010	5,375	101	1,822	274,936	2,997	(²)
Chestnuts.	91	3,579	16	154	24,842	1,439	(²)
Unclassified.							⁴ 65,850
Tropical fruits, total.		1,433		713		\$1,393	
Figs.	245	1,432	74	713	38,772	1,888	100

¹ Expressed in bushels for orchard fruits and pounds for grapes, nuts, and figs.

² Included with "unclassified."

³ Consists of all products not separately named by the enumerator, but grouped under the designation "all other."

⁴ Includes almonds, Japanese walnuts, Japanese chestnuts, hickory nuts, butternuts, chinquapins, filberts, and hazelnuts.

⁵ Includes Japanese persimmons.

The total quantity of orchard fruits produced in 1909 was 2,577,000 bushels, valued at \$1,517,000. Apples contributed nearly three-fourths of this quantity, peaches and peaches and nectarines most of the remainder. The production of grapes in 1909 amounted to 2,152,382 pounds, valued at \$53,498, and the production of nuts to 318,148 pounds, valued at \$5,687.

The production of all orchard fruits together in 1909 was 30.5 per cent less in quantity than that in 1899, while the production of grapes increased materially. The value of orchard fruits, however, increased from \$1,266,000 in 1899 to \$1,517,000 in 1909, and that of grapes from \$43,282 in 1899 to \$53,498 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values for 1909 relate only to the products in their original condition.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING, 1909		QUANTITY PRODUCED.		
	Number.	Per cent of all farms.	Unit.	1909	1899
Cider.....	7,499	15.3	Gals.....	970,705	1,339,979
Vinegar.....	3,333	6.8	Gals.....	226,460	398,632
Wine and grape juice.....	1,376	2.8	Gals.....	20,733	15,524
Dried fruits.....	1,017	2.1	Lbs.....	39,292	89,770

Sugar crops: 1909 and 1899.—The table below shows data with regard to maple trees and their products, and also for sugar beets and sorghum cane, which in this state are unimportant.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Number.	Per cent of all farms.		Amount.	Unit.	Value.
Maple sugar and sirup:						
Total, 1909.....	218	0.4	179,658			\$34,386
Sugar made.....	164	0.3		351,908	Lbs.	24,985
Sirup made.....	202	0.4		12,172	Gals.	9,401
Total, 1899.....	209	0.5				24,183
Sugar made.....				264,100	Lbs.	20,501
Sirup made.....				5,825	Gals.	3,622
Sugar beets, 1909 ²	8	(³)	5	81	Tons.	541
Sorghum cane:						
Total, 1909 ⁴						1,415
Cane grown.....	72	0.1	75	275	Tons.	
Sirup made.....	64	0.1		1,782	Gals.	840
Total, 1899.....						1,873
Cane grown.....	144	0.3	63	435	Tons.	
Cane sold as such.....				104	Gals.	314
Sirup made.....				4,058	Tons.	1,559

¹ Number of trees. ² Used as root forage. ³ Less than one-tenth of 1 per cent. ⁴ Includes cane used as coarse forage.

The total value of maple sugar and sirup produced in 1909 was \$34,386, as compared with \$24,183 in 1899.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 27,231 farms in Maryland (55.7 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,349,045, as compared with \$1,170,362 in 1899, an increase of 100.7 per cent. Of the value in 1909, \$1,275,716 was reported as that of products used or to be used on the farms themselves, \$785,801 as that of products sold or for sale, and \$287,528 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 2,245 farmers in Maryland sold, during 1909, 21,815 tons of straw, for which they received \$164,825, and that 820 farmers sold 3,799 tons of cornstalks and leaves, for which they received \$21,690.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

Three-fourths of the farmers report some expenditure for fertilizer, and almost half report some expenditure for feed. The total amount reported as paid for fertilizer shows an increase of 29.4 per cent since 1899, and averages \$91.18 per farm for those reporting.

EXPENSE.	1909		Amount.	1899	INCREASE.	
	Farms reporting.				Amount.	Per cent.
	Number.	Per cent of all farms.				
Labor.....	31,982	65.4	\$3,802,172	\$5,715,520	\$3,086,652	54.0
Feed.....	23,198	47.4	2,445,065	(¹)		
Fertilizer.....	37,154	75.9	3,387,634	2,618,890	768,744	29.4

¹ Not reported at the census of 1900.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well

as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Per cent of all farms.	Amount.	Unit.	
Total.....	11,347	23.2	3,355,113	Bu.....	\$3,240,590
Corn.....	1,264	2.6	115,085	Bu.....	2,115,625
Oats.....	148	0.3	11,317	Bu.....	58,076
Barley.....	6,187	12.6	75,565	Tons....	7,498
Hay and coarse forage.....					1,059,393

While the total amount expended by Maryland farmers for the purchase of feed in 1909 was \$2,445,000, the total receipts from the sale of feed by those reporting sales amounted to \$3,241,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

TABLE 1.—FARMS AND FARM PROPERTY.

[Comparative data for June 1, 1900, in italics.]

	THE STATE.			Alleghany.	Anne Arundel.	Baltimore.	Baltimore City.	Calvert.	Caroline.
	Total.	White.	Colored.						
1 Population.....	1,295,346	1,062,044	232,702	62,411	39,553	122,349	558,485	10,325	19,216
2 <i>Population in 1900</i>	<i>1,188,044</i>	<i>952,424</i>	<i>235,620</i>	<i>53,694</i>	<i>39,620</i>	<i>90,755</i>	<i>608,857</i>	<i>10,223</i>	<i>16,248</i>
3 Number of all farms.....	48,623	42,551	6,372	1,023	2,038	4,178	23	1,080	2,126
4 <i>Number of all farms in 1900</i>	<i>49,012</i>	<i>40,169</i>	<i>6,843</i>	<i>894</i>	<i>1,389</i>	<i>4,496</i>	<i>169</i>	<i>1,077</i>	<i>1,863</i>
5 Color and nativity of farmers:									
6 Native white.....	40,669	40,669	.....	972	1,348	3,520	18	655	1,607
7 Foreign-born white.....	1,822	1,822	.....	47	268	521	5	1	124
8 Negro and other nonwhite.....	6,372	.....	6,372	4	422	137	.....	424	395
9 Number of farms, classified by size:									
10 Under 3 acres.....	148	141	7	6	6	72	2	.....	2
11 3 to 9 acres.....	4,977	3,369	1,008	64	172	399	3	79	153
12 10 to 19 acres.....	5,107	3,780	1,327	43	221	651	6	98	235
13 20 to 49 acres.....	3,629	7,249	1,386	111	875	1,081	6	150	437
14 50 to 99 acres.....	9,946	9,179	767	178	406	841	2	203	550
15 100 to 174 acres.....	11,457	10,677	780	293	504	721	.....	339	498
16 175 to 259 acres.....	5,043	4,732	311	169	211	247	3	130	169
17 260 to 499 acres.....	3,027	2,381	146	128	123	148	1	69	71
18 500 to 999 acres.....	506	471	35	22	19	31	.....	0	10
19 1,000 acres and over.....	83	78	5	9	1	7	.....	3	1
LAND AND FARM AREA									
20 Approximate land area..... acres	6,362,240	.....	.....	283,520	276,430	416,000	19,200	139,520	204,160
21 Land in farms..... acres	5,057,140	4,698,623	358,517	103,237	208,245	326,482	1,408	124,605	186,878
22 <i>Land in farms in 1900</i> acres	<i>5,170,075</i>	<i>4,795,774</i>	<i>374,301</i>	<i>160,348</i>	<i>206,367</i>	<i>340,206</i>	<i>3,151</i>	<i>126,626</i>	<i>183,071</i>
23 Improved land in farms..... acres	3,354,767	3,136,185	218,582	70,513	139,127	230,471	1,041	74,128	128,206
24 <i>Improved land in farms in 1900</i> acres	<i>3,516,356</i>	<i>3,277,358</i>	<i>238,998</i>	<i>75,905</i>	<i>143,325</i>	<i>244,806</i>	<i>2,438</i>	<i>88,605</i>	<i>126,008</i>
25 Woodland in farms..... acres	1,467,333	1,344,952	122,381	82,931	59,280	82,352	248	42,000	53,738
26 Other unimproved land in farms..... acres	235,040	217,486	17,554	9,843	9,858	13,659	119	8,501	4,034
27 Per cent of land area in farms.....	79.5	.....	.....	57.6	75.3	78.5	7.3	89.4	01.5
28 Per cent of farm land improved.....	66.3	66.7	61.0	43.2	66.8	70.6	73.9	59.4	68.6
29 Average acres per farm.....	103.4	110.4	56.3	159.6	102.2	78.1	61.2	115.5	87.9
30 Average improved acres per farm.....	68.6	73.7	34.3	68.9	68.3	55.2	45.3	68.6	60.3
VALUE OF FARM PROPERTY									
31 All farm property..... dollars	286,167,028	273,915,229	12,251,799	4,040,197	16,689,931	41,290,267	1,103,718	2,626,417	9,136,895
32 <i>All farm property in 1900</i> dollars	<i>204,645,407</i>	<i>196,435,535</i>	<i>8,205,872</i>	<i>3,090,644</i>	<i>6,419,859</i>	<i>35,981,055</i>	<i>2,040,536</i>	<i>2,012,422</i>	<i>4,748,014</i>
33 Per cent increase, 1900-1910.....	39.8	39.4	49.2	30.7	160.0	14.8	46.1	0.5	92.4
34 Land..... dollars	163,451,614	156,352,922	7,098,692	2,299,065	11,242,388	23,889,153	894,600	1,322,626	5,479,789
35 <i>Land in 1900</i> dollars	<i>120,367,550</i>	<i>115,518,630</i>	<i>4,848,320</i>	<i>1,945,000</i>	<i>3,669,970</i>	<i>23,100,070</i>	<i>1,527,110</i>	<i>1,546,070</i>	<i>2,374,070</i>
36 Buildings..... dollars	78,285,509	75,114,417	3,171,092	1,050,208	3,948,439	12,617,066	175,500	818,267	2,051,005
37 <i>Buildings in 1900</i> dollars	<i>64,310,760</i>	<i>52,775,390</i>	<i>2,037,440</i>	<i>669,940</i>	<i>1,885,740</i>	<i>9,295,710</i>	<i>417,010</i>	<i>659,100</i>	<i>1,061,050</i>
38 Implements and machinery..... dollars	11,859,771	11,422,701	437,070	189,485	449,745	1,696,609	12,850	70,821	412,726
39 <i>Implements, etc., in 1900</i> dollars	<i>8,611,220</i>	<i>8,279,570</i>	<i>331,650</i>	<i>136,730</i>	<i>275,470</i>	<i>1,235,330</i>	<i>33,080</i>	<i>100,840</i>	<i>245,080</i>
40 Domestic animals, poultry, and bees..... dollars	32,570,134	31,025,189	1,544,945	501,439	1,049,359	3,037,439	20,768	405,713	1,192,775
41 <i>Domestic animals, etc., in 1900</i> dollars	<i>20,855,877</i>	<i>19,364,015</i>	<i>991,368</i>	<i>338,074</i>	<i>598,079</i>	<i>2,269,205</i>	<i>69,386</i>	<i>306,412</i>	<i>579,514</i>
42 Per cent of value of all property in—									
43 Land.....	57.1	57.1	57.9	56.9	67.4	57.9	81.1	50.4	60.0
44 Buildings.....	27.4	27.4	25.9	26.0	23.7	30.6	15.9	31.2	22.5
45 Implements and machinery.....	4.1	4.2	3.6	4.7	2.7	4.1	1.2	3.0	4.5
46 Domestic animals, poultry, and bees.....	11.4	11.3	12.6	12.4	6.3	7.5	1.9	15.4	13.1
47 Average values:									
48 All property per farm..... dollars	5,849	6,437	1,923	3,949	8,189	9,833	47,988	2,432	4,298
49 Land and buildings per farm..... dollars	4,041	5,440	1,612	3,274	7,454	8,738	46,526	1,932	3,543
50 Land per acre..... dollars	32.32	33.28	19.80	14.08	53.99	73.17	635.37	10.61	26.32
51 <i>Land per acre in 1900</i> dollars	<i>25.23</i>	<i>24.09</i>	<i>12.95</i>	<i>12.13</i>	<i>17.68</i>	<i>68.17</i>	<i>487.74</i>	<i>11.32</i>	<i>15.67</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	45,672	40,890	5,782	976	1,001	3,995	21	1,042	2,042
53 Value of domestic animals..... dollars	30,649,961	29,201,543	1,448,418	475,127	994,768	2,909,400	19,787	382,843	1,094,036
54 Cattle:									
55 Total number.....	287,751	275,164	12,587	6,927	6,978	26,753	212	4,722	6,871
56 Dairy cows.....	166,859	160,520	6,339	3,030	3,555	18,085	186	2,033	4,501
57 Other cows.....	13,816	17,069	857	717	462	1,446	9	142	560
58 Yearling heifers.....	27,226	26,113	1,113	927	686	2,431	2	332	535
59 Calves.....	39,044	37,633	1,431	1,011	967	3,347	12	473	933
60 Yearling steers and bulls.....	10,508	10,104	404	416	275	556	.....	103	116
61 Other steers and bulls.....	25,278	22,335	2,443	228	1,033	888	.....	1,574	176
62 Value..... dollars	7,869,526	7,563,516	307,010	158,029	194,089	848,001	7,849	113,025	186,843
63 Horses:									
64 Total number.....	155,438	145,348	10,090	2,440	5,227	11,208	63	2,756	6,230
65 Mature horses.....	137,278	123,109	9,169	2,258	4,832	10,381	62	2,449	5,497
66 Yearling colts.....	12,318	11,666	652	148	297	599	1	247	450
67 Spring colts.....	5,842	5,733	269	84	98	228	.....	60	283
68 Value..... dollars	10,787,487	15,907,160	880,307	270,812	529,316	1,414,192	8,569	228,606	634,218
69 Mules:									
70 Total number.....	22,667	21,447	1,220	74	320	3,209	15	23	1,378
71 Mature mules.....	21,498	20,320	1,178	72	1,162	3,150	15	23	1,314
72 Yearling colts.....	869	843	26	2	7	51	.....	41	41
73 Spring colts.....	300	284	16	.....	2	8	.....	23	23
74 Value..... dollars	3,043,531	2,902,363	141,218	9,253	193,827	492,542	3,000	2,985	100,709
75 Asses and burros:									
76 Number.....	101	100	1	.....	4	8	.....	.....	.....
77 Value..... dollars	35,450	34,950	500	.....	1,475	2,975	.....	.....	1,375
78 Swine:									
79 Total number.....	301,533	284,371	17,212	3,855	8,127	20,819	25	5,541	9,030
80 Mature hogs.....	196,415	184,192	12,223	2,659	5,333	12,097	22	3,950	5,716
81 Spring pigs.....	105,188	100,179	4,989	1,196	2,794	8,122	3	1,591	3,314
82 Value..... dollars	1,765,367	1,675,405	90,452	25,381	42,690	131,680	369	21,177	59,932
83 Sheep:									
84 Total number.....	237,137	230,801	6,336	3,138	7,317	4,203	.....	4,201	4,036
85 Rams, ewes, and wethers.....	126,251	122,708	3,543	1,921	3,994	2,333	.....	2,294	2,065
86 Spring lambs.....	110,886	108,093	2,793	1,217	3,323	1,870	.....	1,907	1,971
87 Value..... dollars	1,142,955	1,114,081	28,584	11,354	33,061	19,995	.....	16,423	23,076
88 Goats:									
89 Number.....	1,182	1,173	9	57	36	24	.....	9	72
90 Value..... dollars	5,115	5,068	47	298	310	129	.....	27	363
POULTRY AND BEES									
91 Number of poultry of all kinds.....	2,908,953	2,762,556	146,407	43,212	78,408	257,465	1,408	32,153	129,957
92 Value..... dollars	1,853,570	1,763,173	95,367	22,675	53,309	173,219	.....	22,514	95,256
93 Number of colonies of bees.....	23,156	22,640	507	1,306	352	1,515	.....	137	1,439
94 Value..... dollars	61,603	60,473	1,130	3,637	1,222	4,730	.....	866	3,483

1 Decrease.

AGRICULTURE—MARYLAND.

735

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Carroll.	Cecil.	Charles.	Dorchester.	Frederick.	Garrett.	Harford.	Howard.	Kent.
1 Population.....	33,934	23,759	16,886	28,669	52,673	20,105	27,965	16,100	10,957
2 <i>Population in 1900.....</i>	<i>53,860</i>	<i>24,662</i>	<i>17,662</i>	<i>27,982</i>	<i>51,920</i>	<i>17,701</i>	<i>28,269</i>	<i>16,715</i>	<i>18,786</i>
3 Number of all farms.....	3,484	1,717	1,623	2,214	3,804	2,076	2,512	1,885	1,093
4 <i>Number of all farms in 1900.....</i>	<i>3,852</i>	<i>1,633</i>	<i>1,800</i>	<i>2,007</i>	<i>3,747</i>	<i>1,783</i>	<i>2,431</i>	<i>1,214</i>	<i>941</i>
5 Color and nativity of farmers:									
6 Native white.....	3,395	1,606	961	1,599	3,714	2,016	2,204	1,135	914
7 Foreign-born white.....	61	47	29	102	15	5	111	103	23
8 Negro and other nonwhite.....	28	64	633	513	75	55	197	147	151
9 Number of farms, classified by size:									
10 Under 3 acres.....	3	2	2	3	7	1	4	1	.....
11 3 to 9 acres.....	302	186	109	206	369	69	197	175	168
12 10 to 19 acres.....	390	144	133	232	348	100	205	130	87
13 20 to 49 acres.....	775	260	231	373	641	283	471	201	93
14 50 to 99 acres.....	830	377	254	510	693	629	634	208	86
15 100 to 174 acres.....	883	380	399	508	1,131	501	643	335	193
16 175 to 259 acres.....	248	213	233	223	469	226	212	131	224
17 260 to 499 acres.....	49	135	209	115	134	156	118	93	216
18 500 to 999 acres.....	3	18	41	30	9	83	25	18	24
19 1,000 acres and over.....	1	2	7	8	3	9	3	3	2
LAND AND FARM AREA									
20 Approximate land area..... acres..	286,080	241,280	296,960	368,640	424,320	438,400	282,880	160,000	180,480
21 Land in farms..... acres..	278,308	195,611	232,337	234,985	374,653	205,220	247,140	149,052	172,823
22 <i>Land in farms in 1900.....</i>	<i>276,953</i>	<i>200,660</i>	<i>293,255</i>	<i>243,497</i>	<i>374,381</i>	<i>243,510</i>	<i>248,925</i>	<i>146,039</i>	<i>169,238</i>
23 Improved land in farms..... acres..	225,568	140,980	121,621	123,670	301,430	122,318	171,473	114,027	139,786
24 <i>Improved land in farms in 1900.....</i>	<i>227,668</i>	<i>141,401</i>	<i>153,465</i>	<i>128,160</i>	<i>308,041</i>	<i>123,932</i>	<i>174,855</i>	<i>110,546</i>	<i>138,944</i>
25 Woodland in farms..... acres..	44,661	43,984	100,410	80,817	63,402	63,303	63,303	31,473	24,822
26 Other unimproved land in farms..... acres..	6,049	10,647	10,306	24,489	9,821	10,487	12,370	3,552	8,215
27 Per cent of land area in farms.....	96.6	81.1	78.2	63.7	88.3	60.5	87.4	93.2	95.8
28 Per cent of farm land improved.....	81.6	72.1	52.3	52.6	80.5	46.1	69.4	76.5	80.9
29 Average acres per farm.....	70.3	113.9	143.2	106.1	98.5	127.8	98.4	107.6	158.1
30 Average improved acres per farm.....	64.8	82.1	74.9	55.9	79.2	58.9	68.3	82.3	127.9
VALUE OF FARM PROPERTY									
31 All farm property..... dollars..	18,278,237	11,394,270	4,709,366	8,110,673	25,052,722	7,503,325	13,950,169	10,096,804	10,122,081
32 <i>All farm property in 1900.....</i>	<i>13,228,815</i>	<i>9,223,504</i>	<i>4,762,343</i>	<i>4,696,317</i>	<i>21,050,585</i>	<i>4,941,162</i>	<i>11,710,866</i>	<i>6,768,436</i>	<i>6,674,845</i>
33 Per cent increase, 1900-1910.....	31.2	23.5	11.1	72.7	23.3	51.9	19.1	49.2	51.6
34 Land..... dollars..	9,002,246	5,471,775	2,274,028	4,998,986	13,927,410	4,176,647	5,935,835	5,098,755	6,365,524
35 <i>Land in 1900.....</i>	<i>7,210,730</i>	<i>4,778,490</i>	<i>2,776,240</i>	<i>2,761,440</i>	<i>12,394,570</i>	<i>2,900,670</i>	<i>6,519,510</i>	<i>3,404,090</i>	<i>4,258,300</i>
36 Buildings..... dollars..	5,836,100	3,907,274	1,464,627	1,717,835	7,500,321	1,839,618	5,247,740	3,378,770	2,019,677
37 <i>Buildings in 1900.....</i>	<i>4,501,850</i>	<i>3,024,820</i>	<i>1,216,610</i>	<i>1,087,780</i>	<i>5,645,840</i>	<i>992,618</i>	<i>4,160,360</i>	<i>2,276,470</i>	<i>1,395,050</i>
38 Implements and machinery..... dollars..	906,358	536,764	214,839	358,702	1,061,563	342,227	751,894	495,350	393,647
39 <i>Implements, etc., in 1900.....</i>	<i>719,340</i>	<i>440,610</i>	<i>191,650</i>	<i>218,740</i>	<i>855,580</i>	<i>226,610</i>	<i>570,600</i>	<i>321,990</i>	<i>276,780</i>
40 Domestic animals, poultry, and bees..... dollars..	2,443,533	1,478,457	755,902	1,035,150	3,463,428	1,144,233	2,014,094	1,128,029	1,343,233
41 <i>Domestic animals, etc., in 1900.....</i>	<i>1,496,895</i>	<i>984,644</i>	<i>478,843</i>	<i>628,417</i>	<i>2,160,795</i>	<i>522,072</i>	<i>1,460,398</i>	<i>676,288</i>	<i>774,715</i>
42 Per cent of value of all property in—									
43 Land.....	49.3	48.0	48.3	61.6	53.7	55.7	42.6	50.5	62.9
44 Buildings.....	31.9	34.3	31.1	21.2	28.9	24.5	37.6	33.5	20.0
45 Implements and machinery.....	5.5	4.7	4.6	4.4	4.1	4.6	5.4	4.9	3.9
46 Domestic animals, poultry, and bees.....	13.4	13.0	16.1	12.8	13.3	15.2	14.4	11.2	13.3
47 Average values:									
48 All property per farm..... dollars..	5,246	6,636	2,902	3,663	6,322	3,614	5,553	7,290	9,261
49 Land and buildings per farm..... dollars..	4,259	5,412	2,304	3,034	5,693	2,908	4,452	6,117	7,672
50 Land per acre..... dollars..	32.53	27.97	0.79	21.27	37.17	15.75	24.02	34.17	36.33
51 <i>Land per acre in 1900.....</i>	<i>29.04</i>	<i>23.79</i>	<i>10.54</i>	<i>11.34</i>	<i>33.11</i>	<i>11.91</i>	<i>22.17</i>	<i>23.98</i>	<i>26.15</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	3,365	1,642	1,555	2,118	3,692	2,007	2,431	1,302	1,052
53 Value of domestic animals..... dollars..	2,270,940	1,409,233	707,905	956,415	3,280,886	1,099,828	1,902,239	1,064,770	1,285,640
54 Cattle:									
55 Total number.....	22,858	16,454	9,468	9,170	34,185	16,138	21,489	8,493	10,463
56 Dairy cows.....	15,319	10,700	3,898	4,847	20,404	6,986	12,305	5,022	6,200
57 Other cows.....	1,087	952	1,040	795	1,897	1,332	1,368	424	738
58 Yearling heifers.....	1,672	1,599	900	755	3,303	2,330	2,521	744	758
59 Calves.....	2,718	2,233	1,256	1,064	4,436	2,951	2,520	902	2,093
60 Yearling steers and bulls.....	720	351	371	262	1,679	1,485	422	222	224
61 Other steers and bulls.....	1,342	619	2,003	1,447	2,406	1,054	2,347	1,084	390
62 Value..... dollars..	675,254	484,453	208,224	221,006	938,386	374,344	636,275	269,181	272,644
63 Horses:									
64 Total number.....	10,805	7,957	4,343	5,411	17,130	4,753	7,247	5,505	8,104
65 Mature horses.....	9,536	7,113	3,902	4,835	14,402	4,232	6,585	4,881	6,959
66 Yearling colts.....	872	672	333	362	1,686	456	523	460	737
67 Spring colts.....	397	172	108	214	922	65	139	164	408
68 Value..... dollars..	1,183,851	758,607	376,566	517,130	2,033,566	550,523	868,239	655,575	751,707
69 Mules:									
70 Total number.....	1,809	449	266	1,035	408	39	1,784	442	645
71 Mature mules.....	1,600	428	246	985	453	30	1,741	419	564
72 Yearling colts.....	103	12	12	32	13	2	34	19	50
73 Spring colts.....	16	9	8	18	2	1	9	4	31
74 Value..... dollars..	238,947	56,560	28,422	130,054	61,754	3,918	254,728	63,701	77,895
75 Asses and burros:									
76 Number.....	3	5	.....	3	2	22	4	3	3
77 Value..... dollars..	200	1,550	.....	527	140	9,060	360	503	1,000
78 Swine:									
79 Total number.....	26,015	12,978	10,867	10,112	31,773	8,208	17,432	9,262	13,913
80 Mature hogs.....	16,762	8,459	7,826	6,282	21,049	4,976	10,282	5,855	9,147
81 Spring pigs.....	9,263	4,519	3,041	3,830	10,724	3,232	7,150	3,404	4,766
82 Value..... dollars..	100,443	84,459	49,734	53,894	198,255	48,332	110,022	58,593	73,046
83 Sheep:									
84 Total number.....	2,760	4,552	10,520	7,684	10,601	27,498	6,762	6,092	19,176
85 Rams, ewes, and wethers.....	1,482	2,498	5,880	4,148	5,427	17,772	3,793	3,109	9,057
86 Spring lambs.....	1,268	2,054	4,660	3,536	5,074	9,726	3,020	2,893	10,119
87 Value..... dollars..	11,980	23,473	44,731	32,585	48,682	112,055	32,519	27,106	109,139
88 Goats:									
89 Number.....	85	47	63	70	20	285	23	6	39
90 Value..... dollars..	274	131	228	229	103	996	96	21	159
POULTRY AND BEES									
91 Number of poultry of all kinds.....	319,523	107,740	70,018	120,177	281,212	72,295	165,349	93,299	85,212
92 Value..... dollars..	168,352	68,209	45,509	76,622	177,490	38,301	110,813	62,373	56,935
93 Number of colonies of bees.....	1,675	362	836	973	1,721	511	511	632	196
94 Value..... dollars..	4,232	1,015	2,488	2,113	5,052	6,104	1,642	1,786	658

TABLE I.—FARMS AND FARM PROPERTY, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Montgomery.	Prince Georges.	Queen Annes.	St. Marys.	Somerset.	Talbot.	Washing-ton.	Wicomico.	Worcester.
1 Population	32,089	36,147	16,839	17,030	26,455	19,620	49,617	26,815	21,841
2 <i>Population in 1900</i>	<i>30,451</i>	<i>39,898</i>	<i>18,364</i>	<i>17,132</i>	<i>25,923</i>	<i>20,342</i>	<i>45,153</i>	<i>22,552</i>	<i>20,865</i>
3 Number of all farms	2,442	2,288	1,421	1,625	1,986	1,297	2,466	2,678	2,344
4 <i>Number of all farms in 1900</i>	<i>2,085</i>	<i>2,374</i>	<i>1,456</i>	<i>1,292</i>	<i>1,521</i>	<i>1,199</i>	<i>2,393</i>	<i>2,514</i>	<i>1,937</i>
5 Color and nativity of farmers:									
6 Native whites.....	2,042	1,675	1,180	1,149	1,392	1,020	2,434	2,263	1,850
7 Foreign-born white.....	51	133	17	38	20	75	10	8	13
8 Negro and other nonwhite.....	349	480	224	438	574	202	22	407	481
9 Number of farms, classified by size:									
10 Under 3 acres.....	6	13	3	1	1	2	3	3	5
11 3 to 9 acres.....	367	289	106	158	452	178	265	315	196
12 10 to 19 acres.....	239	300	107	130	316	127	297	327	230
13 20 to 49 acres.....	338	454	147	238	388	153	363	609	468
14 50 to 99 acres.....	404	356	162	309	310	158	490	703	539
15 100 to 174 acres.....	531	425	364	413	289	326	677	506	538
16 175 to 259 acres.....	283	211	291	221	114	200	252	145	218
17 260 to 499 acres.....	246	198	207	129	80	131	104	56	111
18 500 to 999 acres.....	28	37	32	24	24	19	6	11	33
19 1,000 acres and over.....	.....	5	2	2	3	3	.....	3	6
LAND AND FARM AREA									
20 Approximate land area..... acres.....	333,440	308,480	233,800	237,440	211,840	171,520	293,760	237,440	310,800
21 Land in farms..... acres.....	273,270	240,036	219,072	192,737	146,270	163,038	231,191	197,821	234,525
22 <i>Land in farms in 1900</i>	<i>288,469</i>	<i>260,008</i>	<i>224,143</i>	<i>182,508</i>	<i>144,970</i>	<i>164,792</i>	<i>249,221</i>	<i>207,234</i>	<i>241,435</i>
23 Improved land in farms..... acres.....	209,153	154,414	171,614	98,247	76,449	117,728	191,842	100,092	121,830
24 <i>Improved land in farms in 1900</i>	<i>212,840</i>	<i>174,273</i>	<i>172,396</i>	<i>109,553</i>	<i>82,650</i>	<i>119,266</i>	<i>197,043</i>	<i>122,453</i>	<i>122,549</i>
25 Woodland in farms..... acres.....	59,409	77,391	37,848	81,499	54,879	38,559	35,570	79,446	99,850
26 Other unimproved land in farms..... acres.....	4,708	8,231	9,610	13,041	14,942	6,751	3,779	9,283	12,845
27 Per cent of land area in farms.....	82.0	77.8	93.8	81.2	69.0	95.1	78.7	83.3	74.0
28 Per cent of farm land improved.....	76.5	64.3	78.3	51.0	52.3	72.2	83.0	55.1	51.9
29 Average acres per farm.....	111.9	104.9	154.2	118.6	73.6	125.7	98.8	73.9	100.1
30 Average improved acres per farm.....	85.6	67.5	120.8	60.5	38.5	90.8	77.8	40.7	52.0
VALUE OF FARM PROPERTY									
31 All farm property..... dollars.....	20,858,469	13,063,674	11,808,920	4,777,240	6,650,637	11,645,414	18,526,366	7,045,091	6,786,100
32 <i>All farm property in 1900</i>	<i>15,079,068</i>	<i>9,323,978</i>	<i>7,583,393</i>	<i>3,305,104</i>	<i>3,166,563</i>	<i>6,955,071</i>	<i>15,513,260</i>	<i>3,446,389</i>	<i>3,619,338</i>
33 Per cent increase, 1900-1910.....	38.3	40.1	55.7	44.5	110.7	67.4	37.1	104.4	87.5
34 Land..... dollars.....	12,678,278	7,871,497	7,489,507	2,469,322	3,857,760	7,202,390	11,170,869	4,263,218	4,074,946
35 <i>Land in 1900</i>	<i>9,491,950</i>	<i>5,710,630</i>	<i>4,558,610</i>	<i>1,385,470</i>	<i>1,622,690</i>	<i>4,200,670</i>	<i>8,233,320</i>	<i>1,933,360</i>	<i>1,973,540</i>
36 Buildings..... dollars.....	5,163,630	3,607,187	2,154,083	1,373,392	1,826,530	2,644,429	4,633,750	1,724,576	1,584,939
37 <i>Buildings in 1900</i>	<i>3,525,170</i>	<i>2,577,410</i>	<i>1,590,780</i>	<i>870,550</i>	<i>995,000</i>	<i>1,690,700</i>	<i>3,562,060</i>	<i>832,320</i>	<i>878,290</i>
38 Implements and machinery..... dollars.....	733,843	483,026	472,474	220,503	270,848	495,194	671,907	264,194	249,090
39 <i>Implements, etc., in 1900</i>	<i>576,010</i>	<i>323,320</i>	<i>324,450</i>	<i>158,530</i>	<i>167,020</i>	<i>304,220</i>	<i>516,250</i>	<i>171,040</i>	<i>173,400</i>
40 Domestic animals, poultry, and bees..... dollars.....	2,282,768	1,096,364	1,692,856	714,032	605,499	1,303,401	2,049,840	793,103	877,219
41 <i>Domestic animals, etc., in 1900</i>	<i>1,480,553</i>	<i>718,118</i>	<i>1,049,553</i>	<i>450,564</i>	<i>381,343</i>	<i>759,581</i>	<i>1,221,620</i>	<i>469,069</i>	<i>589,658</i>
42 Per cent of value of all property in—									
43 Land.....	60.8	60.3	63.4	51.7	53.0	61.8	60.3	60.5	60.0
44 Buildings.....	24.8	27.6	18.2	28.7	27.5	22.7	25.0	24.5	23.4
45 Implements and machinery.....	3.5	3.7	4.0	4.6	4.1	4.3	3.6	3.8	3.7
46 Domestic animals, poultry, and bees.....	10.9	8.4	14.3	14.9	10.5	11.2	11.1	11.3	12.9
47 Average values:									
48 All property per farm..... dollars.....	8,542	5,710	8,310	2,940	3,349	8,979	7,513	2,631	2,895
49 Land and buildings per farm.....	7,306	5,017	6,786	2,365	2,892	7,692	6,409	2,236	2,415
50 Land per acre..... dollars.....	46.39	32.79	34.19	12.81	26.37	44.18	48.32	21.55	17.38
51 <i>Land per acre in 1900</i>	<i>53.43</i>	<i>21.55</i>	<i>20.34</i>	<i>9.48</i>	<i>11.19</i>	<i>25.49</i>	<i>33.00</i>	<i>9.28</i>	<i>8.19</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	2,301	2,150	1,397	1,548	1,774	1,253	2,385	2,469	2,253
53 Value of domestic animals..... dollars.....	2,163,518	1,026,067	1,622,807	663,456	641,952	1,236,710	1,949,412	711,780	780,343
54 Cattle:									
55 Total number.....	17,872	8,062	11,861	7,999	3,725	3,487	17,281	4,416	6,932
56 Dairy cows.....	10,322	4,705	7,447	3,375	2,063	5,374	9,238	2,954	3,900
57 Other cows.....	1,014	650	564	486	351	467	1,409	198	703
58 Yearling heifers.....	1,744	653	941	562	350	762	1,743	335	641
59 Calves.....	1,860	1,019	2,281	900	499	1,394	2,820	409	910
60 Yearling steers and bulls.....	535	273	234	410	110	140	1,115	96	238
61 Other steers and bulls.....	2,397	762	394	2,266	352	350	906	724	625
62 Value..... dollars.....	573,183	224,259	293,821	185,749	100,856	220,947	417,434	132,850	141,229
63 Horses:									
64 Total number.....	10,830	6,745	7,409	4,202	3,080	5,265	11,106	3,888	3,734
65 Mature horses.....	9,353	6,220	6,271	3,687	2,869	4,726	9,203	3,607	3,358
66 Yearling colts.....	953	414	780	345	125	360	1,131	180	237
67 Spring colts.....	524	111	408	170	86	179	772	101	139
68 Value..... dollars.....	1,379,313	642,602	712,495	368,081	360,005	544,864	1,282,668	374,038	352,024
69 Mules:									
70 Total number.....	268	449	2,465	208	1,164	1,873	203	1,350	1,890
71 Mature mules.....	253	437	2,192	161	1,105	1,751	197	1,317	1,787
72 Yearling colts.....	6	10	195	32	43	94	6	28	77
73 Spring colts.....	9	2	78	15	16	28	.....	5	16
74 Value..... dollars.....	36,291	53,857	319,982	21,555	148,602	254,077	26,935	154,693	219,404
75 Asses and burros:									
76 Number.....	1	3	7	.....	6	10	.....	2	9
77 Value..... dollars.....	20	1,300	3,700	.....	1,050	7,825	.....	450	840
78 Swine:									
79 Total number.....	16,633	10,021	14,546	11,361	5,693	11,987	26,689	7,053	8,543
80 Mature hogs.....	10,299	6,945	9,742	8,571	3,329	7,718	19,063	4,656	5,094
81 Spring pigs.....	6,334	3,076	5,104	3,290	2,364	4,269	7,936	2,397	3,449
82 Value..... dollars.....	119,331	58,922	78,567	51,308	37,234	64,718	146,691	45,639	48,604
83 Sheep:									
84 Total number.....	11,529	9,283	38,903	8,448	927	26,479	17,088	1,321	4,809
85 Rams, ewes, and wethers.....	5,824	5,137	18,630	4,678	521	13,301	8,901	763	2,800
86 Spring lambs.....	5,705	4,096	20,273	3,770	406	13,178	8,187	555	2,009
87 Value..... dollars.....	55,316	45,084	214,177	35,856	4,175	144,254	75,379	4,302	18,133
88 Goats:									
89 Number.....	7	25	16	140	6	9	94	6	43
90 Value..... dollars.....	59	143	65	907	30	25	305	18	209
POULTRY AND BEES									
91 Number of poultry of all kinds.....	172,321	96,781	93,350	67,364	79,334	87,968	176,388	127,873	160,145
92 Value..... dollars.....	112,901	65,376	69,995	48,943	52,461	64,661	97,282	73,953	95,680
93 Number of colonies of bees.....	1,865	1,229	184	532	622	550	1,593	1,612	841
94 Value..... dollars.....	6,349	4,921	354	1,633	1,086	2,080	3,146	2,370	1,106

AGRICULTURE—MARYLAND.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	THE STATE.			Allegany.	Anne Arundel.	Baltimore.	Baltimore City.	Calvert.	Caroline.	
	Total.	White.	Colored.							
FARMS OPERATED BY OWNERS										
1	Number of farms.....	33,519	29,569	3,950	830	1,369	3,131	12	702	1,333
2	Number of farms in 1900.....	<i>29,519</i>	<i>25,251</i>	<i>4,268</i>	<i>673</i>	<i>1,159</i>	<i>3,161</i>	<i>33</i>	<i>608</i>	<i>1,069</i>
3	Per cent of all farms.....	88.5	89.5	62.0	81.1	67.2	74.9	52.2	65.0	82.7
4	Per cent of all farms in 1900.....	<i>84.1</i>	<i>85.4</i>	<i>55.8</i>	<i>75.8</i>	<i>60.3</i>	<i>70.1</i>	<i>55.3</i>	<i>56.2</i>	<i>87.4</i>
5	Land in farms..... acres	2,905,318	2,783,279	122,039	124,503	117,691	210,674	529	65,842	98,539
6	Improved land in farms..... acres	1,883,482	1,805,918	77,564	53,576	79,237	153,302	310	39,555	67,000
7	Value of land and buildings..... dollars	132,810,705	128,885,932	3,924,773	2,468,783	5,888,362	19,937,631	428,300	1,262,741	3,974,487
Degree of ownership:										
8	Farms consisting of owned land only.....	31,120	27,819	3,301	773	1,221	2,032	12	673	1,230
9	Farms consisting of owned and hired land.....	2,399	1,750	649	57	148	109	.....	29	103
Color and nativity of owners:										
10	Native white.....	28,047	28,047	.....	763	904	2,652	9	440	953
11	Foreign-born white.....	1,522	1,622	.....	35	227	385	3	1	103
12	Negro and other nonwhite.....	3,950	.....	3,950	2	238	94	.....	252	267
FARMS OPERATED BY TENANTS										
13	Number of farms.....	14,416	12,081	2,335	176	601	859	10	376	771
14	Number of farms in 1900.....	<i>15,447</i>	<i>12,971</i>	<i>2,476</i>	<i>198</i>	<i>694</i>	<i>1,161</i>	<i>69</i>	<i>468</i>	<i>780</i>
15	Per cent of all farms.....	29.5	28.4	36.6	17.2	20.5	20.6	43.5	34.3	36.3
16	Per cent of all farms in 1900.....	<i>33.6</i>	<i>32.3</i>	<i>42.4</i>	<i>22.1</i>	<i>26.7</i>	<i>25.8</i>	<i>39.0</i>	<i>43.5</i>	<i>41.9</i>
17	Land in farms..... acres	1,944,631	1,721,414	223,117	31,265	76,914	87,678	701	57,804	83,320
18	Improved land in farms..... acres	1,342,016	1,209,013	133,003	13,624	51,020	58,674	563	34,152	57,506
19	Value of land and buildings..... dollars	84,457,677	79,285,216	5,172,461	695,940	2,902,840	9,066,303	553,800	861,642	3,290,670
Form of tenancy:										
20	Share tenants.....	10,118	8,438	1,685	48	359	191	.....	346	640
21	Share-cash tenants.....	204	169	35	11	4	21	.....	.....	13
22	Cash tenants.....	2,938	2,533	405	113	188	486	7	26	99
23	Tenure not specified.....	1,156	946	210	4	50	161	3	4	19
Color and nativity of tenants:										
24	Native white.....	11,797	11,797	.....	164	389	726	9	205	631
25	Foreign-born white.....	284	284	.....	10	37	98	1	.....	16
26	Negro and other nonwhite.....	2,335	.....	2,335	2	175	35	.....	171	124
FARMS OPERATED BY MANAGERS										
27	Number of farms.....	988	901	87	17	68	188	1	2	22
28	Number of farms in 1900.....	<i>1,052</i>	<i>947</i>	<i>105</i>	<i>18</i>	<i>66</i>	<i>184</i>	<i>0</i>	<i>4</i>	<i>14</i>
29	Land in farms..... acres	207,291	193,930	13,361	7,519	13,640	28,132	178	1,049	5,019
30	Improved land in farms..... acres	129,269	120,254	9,015	3,314	8,870	18,495	188	391	3,700
31	Value of land and buildings..... dollars	24,468,741	23,298,191	1,172,550	184,550	6,700,125	7,472,175	89,000	16,500	268,237
MORTGAGE DEBT REPORTS										
For all farms operated by owners:										
32	Number free from mortgage debt.....	21,084	18,502	2,582	593	900	1,809	6	524	768
33	Number with mortgage debt.....	12,127	10,793	1,334	232	451	1,259	4	176	560
34	Number with no mortgage report.....	308	274	34	5	18	63	2	2	5
For farms consisting of owned land only:										
35	Number reporting debt and amount.....	10,754	9,098	1,056	196	396	1,106	4	163	494
36	Value of their land and buildings..... dollars	44,898,721	43,199,137	1,202,584	727,701	1,694,480	6,133,993	103,500	274,230	1,612,705
37	Amount of mortgage debt..... dollars	15,073,773	15,315,283	358,490	247,980	518,208	1,947,275	28,800	87,026	593,105
38	Per cent of value of land and buildings.....	35.3	35.5	29.8	34.1	30.6	31.7	27.8	31.7	36.8

1 No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

LIVE STOCK PRODUCTS										
Dairy Products										
1	Dairy cows on farms reporting dairy products.....	153,548	.....	.....	3,330	3,161	10,962	179	1,640	4,115
2	Dairy cows on farms reporting milk produced.....	114,872	.....	.....	2,103	2,382	11,998	85	1,450	4,091
3	Milk—Produced..... gallons	41,094,421	.....	.....	764,326	724,584	5,889,472	58,790	322,534	843,924
4	Sold..... gallons	19,424,325	.....	.....	398,520	284,331	4,563,658	79,430	5,785	106,526
5	Cream sold..... gallons	455,496	.....	.....	4,584	1,323	42,700	.....	530	525
6	Butter fat sold..... pounds	343,148	.....	.....	.....	.....	404	.....	.....	.....
7	Butter—Produced..... pounds	8,739,620	.....	.....	210,268	177,144	843,791	530	78,075	249,660
8	Sold..... pounds	5,682,228	.....	.....	135,486	50,898	564,582	60	12,895	124,834
9	Cheese—Produced..... pounds	259,386	.....	.....	.....	.....	325	.....	.....	.....
10	Sold..... pounds	251,071	.....	.....	.....	.....	325	.....	.....	.....
11	Value of dairy products, excluding home use of milk and cream..... dollars	5,480,900	.....	.....	139,839	133,785	1,107,058	21,229	20,499	60,251
12	Receipts from sale of dairy products..... dollars	4,784,232	.....	.....	122,403	101,430	1,034,676	21,088	5,376	42,646
Poultry Products										
13	Poultry—Raised..... number	5,568,745	.....	.....	62,203	192,400	429,189	1,721	122,208	250,935
14	Sold..... number	2,273,501	.....	.....	27,043	63,544	185,117	565	47,422	100,098
15	Eggs—Produced..... dozens	14,464,013	.....	.....	107,586	328,960	1,203,890	5,143	103,416	693,460
16	Sold..... dozens	10,526,537	.....	.....	113,453	153,541	818,173	1,575	49,081	534,412
17	Value of poultry and eggs produced..... dollars	5,831,611	.....	.....	67,223	164,473	491,972	2,437	78,123	279,275
18	Receipts from sale of poultry and eggs..... dollars	3,504,916	.....	.....	35,549	69,800	281,535	789	36,433	169,433
Honey and Wax										
19	Honey produced..... pounds	306,367	.....	.....	17,761	2,449	21,804	.....	1,564	13,762
20	Wax produced..... pounds	4,358	.....	.....	308	42	603	.....	9	315
21	Value of honey and wax produced..... dollars	39,244	.....	.....	2,415	421	3,756	.....	215	1,781
Wool, Mohair, and Goat Hair										
22	Wool, fleeces shorn..... number	104,136	.....	.....	1,449	3,621	1,598	.....	1,857	1,504
23	Mohair and goat hair, fleeces shorn..... number	465	.....	.....	129	12	1	.....	.....	.....
24	Value of wool and mohair produced..... dollars	170,731	.....	.....	2,124	5,537	2,622	.....	2,653	2,456
DOMESTIC ANIMALS SOLD OR SLAUGHTERED										
25	Calves—Sold or slaughtered..... number	94,469	.....	.....	1,635	1,659	8,854	50	935	1,900
26	Other cattle—Sold or slaughtered..... number	62,733	.....	.....	1,311	768	4,336	83	291	1,514
27	Horses, mules, and asses and burros—Sold..... number	12,495	.....	.....	90	267	902	3	89	497
28	Swine—Sold or slaughtered..... number	323,821	.....	.....	3,971	7,782	20,573	.....	5,430	10,402
29	Sheep and goats—Sold and slaughtered..... number	80,111	.....	.....	768	1,380	702	.....	950	1,088
30	Receipts from sale of animals..... dollars	5,399,896	.....	.....	61,232	70,172	385,137	3,662	27,992	123,985
31	Value of animals slaughtered..... dollars	3,069,871	.....	.....	57,835	67,691	200,082	.....	50,849	121,159

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in italics.]

	Carroll.	Cecil.	Charles.	Dorchester.	Frederick.	Garrett.	Harford.	Howard.	Kent.
FARMS OPERATED BY OWNERS									
1	2,589	1,050	1,015	1,393	2,547	1,838	1,042	1,109	494
2	<i>2,466</i>	<i>927</i>	<i>1,135</i>	<i>1,172</i>	<i>2,558</i>	<i>1,513</i>	<i>1,223</i>	<i>878</i>	<i>527</i>
3	74.3	61.2	62.5	62.9	67.0	88.5	77.3	80.1	45.2
4	<i>73.3</i>	<i>56.8</i>	<i>59.6</i>	<i>58.4</i>	<i>68.3</i>	<i>84.6</i>	<i>75.0</i>	<i>72.3</i>	<i>59.0</i>
5	174,009	80,434	126,277	129,683	199,093	223,350	159,678	106,184	51,140
6	140,305	58,193	65,898	62,647	152,396	103,181	113,505	82,415	40,671
7	9,000,938	4,119,301	2,220,393	3,510,924	11,264,338	5,249,505	7,564,501	5,998,119	2,568,478
Degree of ownership:									
8	2,400	982	957	1,310	2,446	1,792	1,834	1,036	459
9	99	68	58	83	101	46	108	73	35
Color and nativity of owners:									
10	2,507	972	647	995	2,480	1,785	1,701	907	363
11	58	32	26	90	12	49	91	89	13
12	24	46	342	308	55	4	150	113	113
FARMS OPERATED BY TENANTS									
13	853	632	591	808	1,193	205	514	230	563
14	<i>845</i>	<i>658</i>	<i>729</i>	<i>811</i>	<i>1,123</i>	<i>259</i>	<i>550</i>	<i>303</i>	<i>534</i>
15	24.5	36.8	36.4	36.5	31.4	9.9	20.5	18.6	51.5
16	<i>25.2</i>	<i>40.3</i>	<i>38.4</i>	<i>40.4</i>	<i>30.1</i>	<i>14.5</i>	<i>22.0</i>	<i>25.2</i>	<i>56.7</i>
17	95,750	102,731	102,154	102,413	163,906	30,061	74,234	31,584	115,198
18	79,904	77,547	53,833	59,360	141,359	10,116	49,906	23,442	94,071
19	4,742,658	4,720,898	1,423,002	3,044,097	9,496,053	466,200	2,869,030	1,524,820	5,395,423
Form of tenancy:									
20	663	472	456	655	996	55	365	88	437
21	18	4	1	14	11	2	8	3	3
22	156	142	77	133	170	138	127	70	66
23	16	14	57	6	16	10	14	69	57
Color and nativity of tenants:									
24	846	003	301	595	1,172	200	455	192	522
25	3	11	2	11	2	5	18	16	9
26	4	18	288	202	19	.....	41	28	32
FARMS OPERATED BY MANAGERS									
27	42	35	17	13	64	33	56	46	36
28	<i>51</i>	<i>43</i>	<i>38</i>	<i>24</i>	<i>61</i>	<i>16</i>	<i>66</i>	<i>30</i>	<i>40</i>
29	6,549	12,446	3,906	2,889	11,654	11,209	13,234	11,284	6,455
30	5,389	5,240	1,870	1,672	7,675	4,021	8,032	8,170	5,044
31	494,760	532,850	90,260	161,800	667,340	300,500	750,050	949,580	421,300
MORTGAGE DEBT REPORTS:									
For all farms operated by owners:									
32	1,502	577	803	931	1,558	1,331	910	605	311
33	1,072	406	207	448	976	504	1,023	494	181
34	15	7	5	14	13	3	9	10	2
For farms consisting of owned land only:									
35	975	413	177	407	907	481	933	442	167
36	3,397,162	1,593,150	475,975	1,287,637	4,122,303	1,812,635	3,312,830	2,149,446	1,093,128
37	1,449,629	638,456	123,931	447,876	1,715,707	448,766	1,259,597	761,960	413,203
38	42.7	40.1	26.0	34.8	41.6	34.2	38.0	35.4	37.8

* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	14,908	10,206	3,252	3,522	19,967	6,578	11,837	4,700	5,893
2	12,510	6,462	2,760	1,871	17,042	5,209	8,283	4,158	4,709
3	5,881,034	2,303,303	526,231	338,196	6,945,154	1,790,030	3,489,644	1,540,984	1,019,591
4	2,442,522	1,809,475	2,842	108,955	2,532,077	45,391	2,854,667	295,055	616,730
5	36,478	10,397	10	170	182,718	2,924	59,259	31,117	443
6	71,932	71,709	.....	.....	155,741	.....	34,004	.....	3,265
7	1,273,056	344,936	139,217	151,412	1,354,173	573,715	432,733	424,234	131,936
8	1,033,340	230,388	31,178	85,568	1,070,611	350,707	268,102	300,008	79,147
9	.....	.....	.....	.....	2,592	70	50	1,200	.....
10	.....	.....	.....	.....	2,096	70	.....	1,200	.....
11	662,526	373,244	33,750	48,592	770,055	145,152	547,942	155,577	94,226
12	624,278	342,486	8,773	33,851	711,207	92,486	509,783	129,576	82,319
Poultry Products									
13	494,651	176,553	184,389	270,981	483,417	98,175	268,570	180,018	164,744
14	210,718	83,151	62,516	114,739	212,783	43,460	111,389	70,219	66,005
15	1,890,873	477,487	310,690	545,179	1,553,536	357,250	871,417	401,621	356,379
16	1,630,363	350,851	180,056	426,314	1,232,658	226,462	650,113	339,393	247,414
17	560,882	207,605	147,087	249,388	519,094	113,710	338,380	200,833	164,171
18	419,156	129,523	76,045	153,003	348,265	67,307	209,324	113,158	96,976
Honey and Wax									
19	19,598	2,967	13,709	10,962	30,271	23,138	0,177	8,413	1,356
20	179	88	32	324	423	337	323	28	26
21	2,822	453	1,614	1,291	3,676	3,404	1,025	1,202	173
Wool, Mohair, and Goat Hair									
22	987	1,822	4,927	2,846	4,430	16,133	2,706	2,053	8,860
23	40	23	1	.....	.....	235	.....	.....	.....
24	1,762	2,820	6,613	3,537	8,097	26,818	4,131	4,136	15,060
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	13,042	6,191	2,021	2,093	14,140	2,817	7,712	3,022	3,888
26	11,572	2,548	904	1,145	7,285	4,601	5,391	3,446	2,556
27	1,583	446	402	303	1,813	442	865	397	633
28	36,975	15,046	7,876	9,991	41,255	7,611	20,887	10,438	15,305
29	1,084	1,000	2,463	1,778	3,967	21,429	2,125	2,138	6,747
30	897,468	221,113	67,675	89,255	692,389	281,476	418,441	233,989	241,167
31	351,477	122,328	65,106	105,866	404,773	126,459	151,092	101,736	95,416

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Montgomery.	Prince Georges.	Queen Annes.	St. Marys.	Somerset.	Talbot.	Washington.	Wicomico.	Worcester.	
FARMS OPERATED BY OWNERS										
1	Number of farms.....	1,841	1,547	638	939	1,503	749	1,632	1,888	1,428
2	Number of farms in 1900.....	<i>1,532</i>	<i>1,401</i>	<i>604</i>	<i>677</i>	<i>1,040</i>	<i>616</i>	<i>1,492</i>	<i>1,502</i>	<i>1,048</i>
3	Per cent of all farms.....	78.4	67.6	44.9	57.8	75.7	57.7	66.2	70.5	60.9
4	Per cent of all farms in 1900.....	<i>75.9</i>	<i>59.0</i>	<i>41.5</i>	<i>52.4</i>	<i>68.4</i>	<i>51.4</i>	<i>62.3</i>	<i>64.9</i>	<i>52.4</i>
5	Land in farms.....acres.....	183,943	135,439	65,981	102,027	103,687	73,681	118,056	130,798	120,080
6	Improved land in farms.....acres.....	141,471	87,062	51,248	50,090	53,041	53,008	92,012	71,765	66,595
7	Value of land and buildings.....dollars.....	11,625,305	6,552,404	2,763,445	2,136,992	4,214,375	4,672,761	7,548,828	3,988,403	3,221,191
Degree of ownership:										
8	Farms consisting of owned land only.....	1,692	1,442	593	866	1,273	716	1,546	1,546	1,299
9	Farms consisting of owned and hired land.....	149	105	45	73	230	33	80	342	129
Color and nativity of owners:										
10	Native white.....	1,527	1,162	484	670	1,066	555	1,609	1,610	1,242
11	Foreign-born white.....	37	110	12	33	18	62	8	7	11
12	Negro and other nonwhite.....	277	275	142	236	419	132	15	271	175
FARMS OPERATED BY TENANTS										
13	Number of farms.....	523	662	749	679	458	504	796	773	890
14	Number of farms in 1900.....	<i>467</i>	<i>831</i>	<i>802</i>	<i>595</i>	<i>450</i>	<i>526</i>	<i>820</i>	<i>794</i>	<i>533</i>
15	Per cent of all farms.....	21.4	28.9	52.7	41.8	29.1	38.9	32.3	28.9	38.0
16	Per cent of all farms in 1900.....	<i>21.9</i>	<i>37.1</i>	<i>55.1</i>	<i>40.1</i>	<i>23.6</i>	<i>43.9</i>	<i>34.5</i>	<i>34.9</i>	<i>47.0</i>
17	Land in farms.....acres.....	77,249	87,158	144,312	87,727	37,065	81,505	108,933	63,376	100,895
18	Improved land in farms.....acres.....	58,545	56,639	113,930	46,525	20,462	59,027	94,713	35,456	51,592
19	Value of land and buildings.....dollars.....	4,712,010	3,588,760	6,385,245	1,616,722	1,263,565	4,461,458	7,443,746	1,744,941	2,178,294
Form of tenancy:										
20	Share tenants.....	277	229	584	509	307	427	645	632	737
21	Share-cash tenants.....	11	7	10	5	13	4	21	7	13
22	Cash tenants.....	186	186	52	70	84	72	80	70	134
23	Tenure not specified.....	49	240	103	95	54	1	50	63	6
Color and nativity of tenants:										
24	Native white.....	449	448	671	472	304	437	787	636	583
25	Foreign-born white.....	7	17	5	5	1	12	2	1	1
26	Negro and other nonwhite.....	67	197	73	202	153	55	7	186	306
FARMS OPERATED BY MANAGERS										
27	Number of farms.....	78	79	34	7	25	44	38	17	26
28	Number of farms in 1900.....	<i>46</i>	<i>92</i>	<i>50</i>	<i>20</i>	<i>51</i>	<i>67</i>	<i>75</i>	<i>18</i>	<i>12</i>
29	Land in farms.....acres.....	12,078	17,439	8,779	3,033	5,518	7,852	6,202	3,647	7,550
30	Improved lands in farms.....acres.....	9,137	10,713	6,436	1,632	2,946	5,693	5,117	1,871	3,643
31	Value of land and buildings.....dollars.....	1,504,543	1,337,430	494,900	89,000	206,350	712,600	512,045	254,450	260,400
MORTGAGE DEBT REPORTS:										
For all farms operated by owners:										
32	Number free from mortgage debt.....	1,142	1,089	342	676	982	396	1,037	1,261	1,031
33	Number with mortgage debt.....	687	425	288	252	511	348	571	611	381
34	Number with no mortgage report.....	12	33	8	11	10	5	24	16	16
For farms consisting of owned land only:										
35	Number reporting debt and amount.....	600	379	252	222	408	326	529	454	323
36	Value of their land and buildings.....dollars.....	3,690,024	1,850,780	1,205,500	673,065	1,339,695	2,034,730	2,500,445	1,054,842	708,805
37	Amount of mortgage debt.....dollars.....	1,208,256	524,255	444,395	176,996	386,990	720,637	932,218	327,477	271,030
38	Per cent of value of land and buildings.....	32.7	28.3	36.9	26.3	28.9	34.6	37.3	31.0	38.2

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

LIVE STOCK PRODUCTS										
Dairy Products										
1	Dairy cows on farms reporting dairy products.....	9,474	3,870	6,402	2,473	1,735	4,952	8,606	2,393	3,428
2	Dairy cows on farms reporting milk produced.....	7,326	2,830	2,460	2,036	1,656	2,418	6,924	2,360	1,740
3	Milk—Produced.....gallons.....	3,165,717	941,893	523,947	408,309	411,303	523,608	2,032,573	575,713	313,509
4	Sold.....gallons.....	2,004,660	396,053	195,887	2,325	32,321	172,324	380,246	61,037	32,908
5	Cream sold.....gallons.....	66,053	5,320	1,035		35	617	9,207	65	4
6	Butter fat sold.....pounds.....	1,925						4,168		
7	Butter—Produced.....pounds.....	439,376	176,112	221,804	129,000	128,197	205,293	725,977	169,942	153,989
8	Sold.....pounds.....	265,129	54,106	123,183	18,061	54,216	119,806	621,383	82,122	55,823
9	Cheese—Produced.....pounds.....		6,398					595		
10	Sold.....pounds.....		6,046					25		
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	476,645	142,674	69,346	80,000	43,680	74,137	219,209	57,688	44,796
12	Receipts from sale of dairy products.....dollars.....	439,730	112,572	48,572	4,675	23,963	54,647	177,901	37,987	21,747
Poultry Products										
13	Poultry—Raised.....number.....	311,386	177,261	214,980	211,003	236,066	229,817	267,237	268,069	326,622
14	Sold.....number.....	115,108	58,963	82,939	100,478	85,158	105,429	118,201	90,276	118,130
15	Eggs—Produced.....dozens.....	870,252	460,937	328,835	299,710	433,526	369,643	880,188	653,258	781,257
16	Sold.....dozens.....	595,156	282,403	170,262	170,262	312,134	244,407	677,255	507,142	587,958
17	Value of poultry and eggs produced.....dollars.....	350,723	189,284	213,844	174,485	217,356	213,280	293,751	259,407	334,473
18	Receipts from sale of poultry and eggs.....dollars.....	198,059	90,599	125,351	99,408	117,778	130,497	192,186	151,561	193,272
Honey and Wax										
19	Honey produced.....pounds.....	53,456	17,297	1,855	5,047	5,429	9,108	10,222	14,336	6,596
20	Wax produced.....pounds.....	427	273	24	38	111	37	104	241	63
21	Value of honey and wax produced.....dollars.....	5,898	2,177	221	533	618	1,074	2,159	1,563	743
Wool, Mohair and Goat Hair										
22	Wool, fleeces shorn.....number.....	4,413	3,005	15,558	3,819	300	11,897	7,319	624	1,803
23	Mohair and goat hair, fleeces shorn.....number.....	4		16				3		1
24	Value of wool and mohair produced.....dollars.....	6,417	4,606	27,601	6,217	377	20,508	13,867	642	2,130
DOMESTIC ANIMALS SOLD OR SLAUGHTERED										
25	Calves—Sold or slaughtered.....number.....	6,178	1,937	3,709	1,467	598	2,868	5,162	1,163	1,315
26	Other cattle—Sold or slaughtered.....number.....	4,460	956	1,015	748	538	1,029	4,646	788	804
27	Horses, mules, and asses and burros—Sold.....number.....	581	200	354	199	255	321	1,287	346	270
28	Pigs—Sold or slaughtered.....number.....	19,208	7,685	10,647	10,514	5,905	11,290	27,025	8,969	9,436
29	Sheep and goats—Sold or slaughtered.....number.....	3,844	1,364	7,179	2,084	232	8,286	7,593	430	1,510
30	Receipts from sale of animals.....dollars.....	397,921	77,193	150,683	60,867	55,606	140,405	535,238	82,915	84,415
31	Value of animals slaughtered.....dollars.....	168,748	69,576	91,738	95,160	54,018	105,437	237,659	120,470	105,206

AGRICULTURE—MARYLAND.

TABLE 4.—VALUE OF ALL CROPS AND CLASSES THEREOF, AND ACREAGE AND

		THE STATE.	Alleghany.	Anno Arundel.	Baltimore.	Baltimore City.	Calvert.	Caroline.	Carroll.	
VALUE OF ALL CROPS										
1	Total	dollars.	43,920,140	625,512	2,197,956	4,629,197	13,814	549,134	1,670,328	3,210,437
2	Cereals	dollars.	21,908,730	228,094	338,465	1,509,009	1,200	153,920	774,341	2,131,010
3	Other grains and seeds	dollars.	96,104	752	2,070	1,951	447	3,510	13,514	13,514
4	Hay and forage	dollars.	6,011,740	150,581	127,673	870,300	5,478	11,671	131,308	527,401
5	Vegetables	dollars.	7,990,105	132,500	1,011,063	1,219,038	6,757	43,328	495,217	270,018
6	Fruits and nuts	dollars.	2,805,528	50,471	353,335	245,467	313	33,166	158,481	102,950
7	All other crops	dollars.	5,101,035	62,514	364,250	783,333	.....	300,602	107,462	104,639
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total	acres.	1,329,201	13,084	27,502	77,901	58	12,862	56,724	112,331
10	Corn	bushels.	20,183,197	332,831	503,188	1,006,099	1,685	232,814	1,135,534	2,714,540
11	Oats	bushels.	17,911,436	8,540	22,701	36,305	28	10,368	30,100	41,018
12	Wheat	bushels.	49,210	3,384	900	1,187,574	1,045	211,952	855,313	1,410,864
13	Buckwheat	bushels.	1,160,003	62,008	15,804	166,702	.....	3,743	5,610	4,144
14	Rye	bushels.	589,893	3,880	3,284	30,840	30	2,650	24,201	57,180
15	Other grains	bushels.	0,403,457	52,043	28,755	571,300	640	16,005	254,161	1,018,081
16	Dry peas	acres.	10,338	.....	.....	4,057	.....	.....	1,322	1,185
17	Dry edible beans	bushels.	152,210	10,077	.....	3,242	.....	.....	10,774	1,080
18	Other grains	bushels.	28,003	1,411	594	.....	.....	77	389	7,185
19	Other grains	bushels.	357,502	15,920	4,915	42,370	.....	454	3,206	104,022
20	Hay and forage:									
21	Total	acres.	742	2	109	.....	.....	42	49	.....
22	Dry edible beans	bushels.	5,003	51	815	.....	.....	212	309	4
23	Other grains	bushels.	190	30	61	5	.....	1	19	25
24	Other grains	bushels.	1,833	140	919	109	.....	6	169	8
25	Hay and forage:									
26	Total	acres.	398,842	8,973	7,318	49,055	398	758	9,710	43,451
27	All tame or cultivated grasses	tons.	477,664	10,833	9,018	63,323	411	822	13,079	49,314
28	Timothy alone	acres.	374,402	8,632	5,017	46,653	87	435	7,592	42,300
29	Timothy and clover mixed	acres.	423,165	0,019	6,437	57,170	221	608	9,774	44,045
30	Clover alone	acres.	135,941	5,308	2,307	24,069	80	332	1,226	8,708
31	Alfalfa	acres.	189,600	6,201	2,850	30,806	107	350	1,550	10,428
32	Millet or Hungarian grass	acres.	200,823	2,648	1,539	20,203	5	181	2,520	30,783
33	Other tame or cultivated grasses	acres.	215,052	2,830	1,536	22,055	20	172	3,135	31,305
34	Wild, salt, or prairie grasses	acres.	26,545	61	299	1,488	.....	18	3,065	1,083
35	Grains cut green	acres.	32,042	71	310	1,680	.....	12	4,853	2,005
36	Coarse forage	acres.	3,188	182	423	446	2	0	38	238
37	Other tame or cultivated grasses	acres.	6,806	345	600	1,304	4	22	70	454
38	Wild, salt, or prairie grasses	acres.	2,122	66	478	141	.....	40	93	59
39	Grains cut green	acres.	2,819	78	532	260	.....	70	108	75
40	Coarse forage	acres.	5,873	357	671	306	.....	46	50	407
41	Coarse forage	acres.	5,856	328	519	375	.....	42	49	588
42	Special crops:									
43	Potatoes	acres.	4,169	46	306	866	.....	75	.....	459
44	Sweet potatoes and yams	acres.	5,081	40	454	915	.....	110	2	391
45	All other vegetables	acres.	8,840	77	1,100	867	.....	12	25	01
46	Tobacco	acres.	12,218	89	1,156	1,077	.....	7	30	400
47	Tobacco	acres.	11,327	228	295	667	.....	30	2,003	594
48	Tobacco	acres.	17,327	785	971	3,550	.....	28	3,273	3,532
49	Special crops:									
50	Potatoes	bushels.	30,200	1,041	1,315	6,027	28	128	704	3,336
51	Sweet potatoes and yams	bushels.	3,444,311	98,814	70,946	467,881	570	0,127	73,403	261,191
52	All other vegetables	bushels.	7,056	7	2,207	38	.....	40	680	48
53	Tobacco	bushels.	1,055,956	480	297,514	3,140	.....	2,510	91,586	3,491
54	Tobacco	acres.	108,084	1,025	16,129	13,734	61	528	0,869	4,120
55	Tobacco	acres.	26,072	.....	3,882	0	.....	5,194	.....	21
56	Tobacco	pounds.	17,845,600	.....	2,561,375	11,597	.....	3,367,358	90	21,800
FRUITS AND NUTS										
57	Orchard fruits:									
58	Total	trees.	3,501,774	109,496	299,770	108,240	63	140,822	258,744	147,777
59	Apples	bushels.	2,577,359	63,368	152,421	287,673	17	41,075	20,701	188,513
60	Peaches and nectarines	bushels.	1,288,482	50,450	56,333	119,450	0	14,308	40,310	101,134
61	Pears	bushels.	1,822,824	54,559	80,911	226,024	13	26,482	15,723	168,591
62	Plums and prunes	bushels.	1,497,724	34,070	188,227	16,901	.....	121,894	175,339	15,663
63	Cherries	bushels.	324,000	5,077	27,377	9,045	.....	13,071	515	5,343
64	Quinces	acres.	540,583	4,050	40,953	43,585	43	2,077	28,593	12,099
65	Grapes	bushels.	367,359	841	42,017	43,107	4	895	4,070	6,488
66	Tropical fruits:									
67	Total	trees.	90,996	0,055	2,974	6,151	.....	750	6,003	5,206
68	Figs	bushels.	13,520	641	860	.....	.....	105	232	1,637
69	Small fruits:									
70	Total	trees.	82,305	5,772	1,843	6,508	.....	657	1,875	9,473
71	Strawberries	bushels.	42,315	1,920	532	6,292	.....	513	144	5,615
72	Raspberries and loganberries	trees.	20,936	1,526	306	2,408	.....	151	551	3,107
73	Blackberries and dewberries	bushels.	6,359	303	123	541	.....	6	17	858
74	Nuts	vines.	138,801	4,015	6,330	13,656	13	3,216	2,465	7,267
75	Nuts	pounds.	2,152,382	55,722	21,305	280,303	137	24,007	24,025	224,347
76	Tropical fruits:									
77	Total	trees.	1,433	.....	0	98	.....	4	2	1
78	Figs	trees.	1,432	.....	0	98	.....	4	2	1
79	Small fruits:									
80	Total	acres.	10,595	64	4,421	794	1	59	1,844	62
81	Strawberries	acres.	26,277,054	78,769	6,391,179	1,403,792	3,000	120,067	3,159,047	90,369
82	Raspberries and loganberries	acres.	14,292	28	3,937	657	1	43	1,482	29
83	Blackberries and dewberries	acres.	23,611,095	42,931	5,843,532	1,227,342	3,000	107,510	2,727,054	53,311
84	Nuts	acres.	846	30	144	26	.....	40	25	25
85	Nuts	acres.	959,309	29,372	115,855	29,149	.....	132	61,534	28,854
86	Nuts	acres.	1,180	3	260	31	.....	10	302	6
87	Nuts	acres.	1,872,164	2,917	340,900	32,928	.....	18,395	354,707	6,704
88	Nuts	trees.	11,780	153	234	287	.....	3	521	1,310
89	Nuts	pounds.	318,148	2,750	580	8,032	.....	30	11,087	65,180

TABLE 5.—SELECTED FARM EXPENSES

1	Labor	Farms reporting	31,982	607	1,372	2,066	18	484	1,104	2,689
2	Labor	Cash expended	6,743,157	103,797	588,516	1,137,089	15,282	40,215	180,702	316,553
3	Labor	Rent and board furnished	2,059,015	26,333	74,086	316,072	2,810	17,730	53,455	110,049
4	Fertilizer	Farms reporting	37,154	453	1,296	8,318	8	619	1,091	3,210
5	Fertilizer	Amount expended	3,387,634	14,740	261,270	382,229	538	20,558	157,498	206,110
6	Feed	Farms reporting	23,198	550	1,109	2,909	17	215	490	2,343
7	Feed	Amount expended	2,445,005	52,249	196,103	629,421	10,778	7,707	21,502	255,989
8	Receipts from sale of feedable crops	dollars.	3,240,590	48,279	49,433	272,271	325	8,835	168,547	193,440

AGRICULTURE—MARYLAND.

PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

		Cecil.	Charles.	Dorchester.	Frederick.	Garrett.	Harford.	Howard.	Kent.
VALUE OF ALL CROPS									
1	Total.....dollars..	1,798,965	861,331	1,601,245	4,210,853	1,237,212	2,284,823	1,517,829	1,730,499
2	Cereals.....dollars..	1,133,648	323,625	677,341	2,804,998	371,793	1,104,091	887,727	1,175,317
3	Other grains and seeds.....dollars..	223	99	2,135	30,574	432	1,672	1,661	6,500
4	Hay and forage.....dollars..	373,781	63,937	119,955	732,681	382,531	465,551	268,320	151,752
5	Vegetables.....dollars..	168,751	69,610	597,897	320,501	161,588	519,694	143,810	220,104
6	Fruits and nuts.....dollars..	44,815	21,801	45,339	146,711	33,960	91,827	100,743	131,011
7	All other crops.....dollars..	72,747	382,259	158,578	175,388	286,908	101,988	115,568	45,755
SELECTED CROPS (acres and quantity)									
Cereals:									
8	Total.....acres.....	62,147	29,820	48,623	151,897	27,326	52,613	46,552	73,023
9	.....bushels.....	1,514,589	470,191	952,993	3,539,376	589,219	1,568,915	1,108,961	1,439,531
10	Corn.....acres.....	24,913	20,977	27,372	57,719	6,821	27,691	10,909	27,780
11	.....bushels.....	752,514	380,856	694,736	1,871,188	197,204	1,057,332	634,551	692,567
12	Oats.....acres.....	5,071	486	162	2,811	11,396	5,135	1,155	1,026
13	.....bushels.....	168,622	7,552	2,081	64,107	248,390	147,905	25,278	17,503
14	Wheat.....acres.....	31,960	7,283	20,947	85,336	2,761	19,120	24,205	43,199
15	.....bushels.....	590,353	72,569	254,466	1,501,122	45,853	353,016	427,428	729,305
16	Buckwheat.....acres.....	110	.....	107	68	5,440	259	23	1
17	.....bushels.....	1,614	.....	1,491	1,080	85,493	3,571	296	20
18	Rye.....acres.....	75	1,071	35	4,781	805	315	1,190	11
19	.....bushels.....	1,108	9,184	219	67,663	9,933	4,640	14,841	136
Other grains:									
20	Dry peas.....acres.....	2	9	86	.....	.....	12	11	7
21	.....bushels.....	34	29	809	.....	.....	114	55	35
22	Dry edible beans.....acres.....	1	.....	.....	4	26	.....	6	4
23	.....bushels.....	4	19	8	90	113	17	37	27
Hay and forage:									
24	Total.....acres.....	24,725	4,098	7,967	52,404	27,964	29,811	17,667	10,691
25	.....tons.....	28,181	4,390	10,305	64,767	29,741	38,870	18,846	11,451
26	All tame or cultivated grasses.....acres.....	24,268	3,876	7,018	49,157	26,891	28,969	17,338	10,422
27	.....tons.....	26,170	4,112	9,259	56,600	26,690	34,559	17,655	11,011
28	Timothy alone.....acres.....	8,606	832	2,302	14,497	6,105	17,027	6,709	3,260
29	.....tons.....	9,939	1,026	2,935	17,309	6,168	19,854	7,216	3,834
30	Timothy and clover mixed.....acres.....	14,339	1,334	1,002	31,044	20,179	10,338	9,978	5,771
31	.....tons.....	15,088	1,910	2,365	35,058	19,915	12,723	9,790	5,723
32	Clover alone.....acres.....	237	121	2,455	2,959	163	1,033	480	889
33	.....tons.....	294	112	3,430	3,385	187	1,314	421	762
34	Alfalfa.....acres.....	68	122	21	137	10	150	70	296
35	.....tons.....	154	247	54	324	19	304	125	562
36	Millet or Hungarian grass.....acres.....	402	96	30	90	9	38	10	5
37	.....tons.....	579	107	36	129	14	57	13	2
38	Other tame or cultivated grasses.....acres.....	116	871	308	430	425	333	91	201
39	.....tons.....	116	701	430	395	387	303	81	123
40	Wild, salt, or prairie grasses.....acres.....	10	39	224	68	828	50	1	87
41	.....tons.....	4	49	278	63	1,053	19	1	60
42	Grains cut green.....acres.....	107	147	661	78	24	256	145	71
43	.....tons.....	487	204	655	143	79	598	380	48
44	Coarse forage.....acres.....	340	36	64	3,101	221	535	132	111
45	.....tons.....	1,540	25	122	7,961	1,919	2,686	790	332
Special crops:									
46	Potatoes.....acres.....	1,680	338	706	2,503	1,707	2,457	1,442	681
47	.....bushels.....	122,926	18,815	77,518	217,794	157,946	180,724	91,241	60,476
48	Sweet potatoes and yams.....acres.....	44	90	356	39	9	20	35	71
49	.....bushels.....	2,834	6,335	54,194	4,433	1,055	1,979	2,067	5,610
50	All other vegetables.....acres.....	1,644	836	10,966	5,148	640	11,258	1,426	3,838
51	Tobacco.....acres.....	.....	4,831	.....	158	.....	59	65	.....
52	.....pounds.....	.....	3,439,221	.....	136,729	100	65,033	60,755	.....
FRUITS AND NUTS									
Orchard fruits:									
53	Total.....trees.....	66,968	47,555	133,808	189,255	124,253	109,640	82,600	390,387
54	.....bushels.....	71,543	39,397	41,033	200,638	39,459	157,509	161,995	225,281
55	Apples.....bushels.....	33,687	26,899	46,269	103,982	99,318	73,722	55,720	23,541
56	.....bushels.....	52,152	34,554	20,000	164,870	31,941	140,089	139,304	30,321
57	Peaches and nectarines.....trees.....	14,493	12,483	71,535	49,728	6,900	16,247	9,114	190,594
58	.....bushels.....	4,902	2,195	17,228	21,114	1,428	6,991	4,369	53,356
59	Pears.....trees.....	14,696	4,973	12,721	15,314	4,070	13,760	12,204	172,938
60	.....bushels.....	13,067	1,579	3,124	6,574	1,130	8,893	15,304	141,396
61	Plums and prunes.....trees.....	1,224	1,698	1,465	6,246	5,020	2,784	2,181	2,474
62	.....bushels.....	330	403	201	1,085	1,500	550	651	100
63	Cherries.....trees.....	2,008	1,371	1,180	9,596	7,948	2,136	2,717	781
64	.....bushels.....	566	624	338	5,292	3,329	558	2,145	105
65	Quinces.....trees.....	827	74	609	4,058	350	939	67	57
66	.....bushels.....	525	16	132	1,639	91	418	196	3
67	Grapes.....vines.....	2,674	1,619	5,970	12,275	3,888	4,167	4,021	5,023
68	.....pounds.....	59,580	45,287	46,413	368,430	92,605	88,863	105,892	28,730
Tropical fruits:									
69	Total.....trees.....	.....	2	528	2	9	.....	1	.....
70	Figs.....trees.....	.....	2	528	2	9	.....	1	.....
71	.....pounds.....	.....	20	15,594	25	340	.....	5	.....
Small fruits:									
72	Total.....acres.....	24	5	329	148	33	21	154	123
73	.....quarts.....	34,525	6,071	418,496	156,379	24,769	40,783	301,328	138,836
74	Strawberries.....acres.....	20	5	248	84	21	17	144	44
75	.....quarts.....	32,524	5,927	324,513	89,488	17,635	34,878	290,921	55,705
76	Raspberries and loganberries.....acres.....	1	.....	4	60	8	.....	3	3
77	.....quarts.....	579	94	8,424	62,397	4,867	1,919	3,623	1,811
78	Blackberries and dewberries.....acres.....	1	.....	67	4	3	.....	3	6
79	.....quarts.....	274	.....	78,400	3,676	1,238	2,624	2,401	7,700
80	Nuts.....trees.....	480	38	169	3,847	94	300	96	128
81	.....pounds.....	15,037	3,140	6,495	56,898	8,635	9,906	2,406	3,855

AND RECEIPTS, BY COUNTIES: 1909.

1	Labor.....Farms reporting.....	1,263	902	1,241	2,945	839	1,815	976	903
2	.....Cash expended.....dollars..	292,471	106,653	172,387	475,983	96,193	380,901	246,357	309,755
3	.....Rent and board furnished.....dollars..	121,853	34,271	46,981	193,755	20,764	129,596	90,611	168,503
4	Fertilizer.....Farms reporting.....	1,381	1,062	1,754	3,125	1,017	2,176	1,010	938
5	.....Amount expended.....dollars..	174,538	52,195	140,305	197,226	36,958	290,604	126,742	152,070
6	Feed.....Farms reporting.....	914	580	832	2,429	1,207	1,435	560	433
7	.....Amount expended.....dollars..	82,170	27,858	39,743	213,304	80,287	153,703	49,588	30,045
8	Receipts from sale of feedable crops.....dollars..	224,399	32,865	113,283	310,812	44,688	174,994	180,602	198,384

AGRICULTURE—MARYLAND.

TABLE 4.—VALUE OF ALL CROPS AND CLASSES THEREOF, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS BY COUNTIES: 1909—Continued.

		Montgomery.	Prince Georges.	Queen Annes.	St. Marys.	Somerset.	Talbot.	Washing- ton.	Wicomico.	Worcester.	
VALUE OF ALL CROPS											
1	Total.....	dollars.....	2,635,935	1,781,134	1,675,836	922,536	1,114,858	1,504,056	3,280,833	1,353,955	1,507,871
2	Cereals.....	dollars.....	1,632,078	493,730	1,321,259	394,645	378,413	973,332	2,060,638	460,360	578,124
3	Other grains and seeds.....	dollars.....	454	5,640	275	832	489	2,987	2,890	14,216	2,063
4	Hay and forage.....	dollars.....	392,552	141,336	106,007	45,410	122,525	177,618	445,867	117,108	80,407
5	Vegetables.....	dollars.....	237,505	641,439	158,962	75,570	291,414	255,838	170,194	394,138	381,500
6	Fruits and nuts.....	dollars.....	145,363	105,739	41,412	21,944	243,079	29,898	360,592	195,451	101,040
7	All other crops.....	dollars.....	227,983	393,241	47,921	384,626	78,338	64,383	240,652	172,682	364,128
SELECTED CROPS (acres and quantity)											
8	Cereals:										
9	Total.....	acres.....	89,204	33,376	91,082	34,604	27,574	63,104	99,089	43,006	51,699
10	Wheat.....	bushels.....	2,215,392	797,115	1,721,754	577,795	555,728	1,235,533	2,369,357	679,419	884,738
11	Corn.....	acres.....	39,278	26,283	35,123	21,008	20,736	22,181	30,161	36,942	43,353
12	Oats.....	bushels.....	1,380,249	720,248	907,782	442,012	449,877	774,001	1,185,332	612,236	788,843
13	Wheat.....	acres.....	1,109	943	321	718	906	1,05	1,064	233	855
14	Wheat.....	bushels.....	22,276	12,988	4,094	11,358	23,906	2,090	21,602	4,367	8,828
15	Wheat.....	acres.....	45,112	5,186	55,249	12,621	5,678	40,706	57,299	4,367	7,902
16	Wheat.....	bushels.....	769,289	55,793	746,371	122,848	78,399	507,178	1,137,977	45,430	33,915
17	Buckwheat.....	acres.....	16	20	32	4	158	71	154	1,147	78
18	Buckwheat.....	bushels.....	406	150	789	18	1,929	1,146	2,427	16,536	1,462
19	Rye.....	acres.....	3,549	952	307	252	83	33	1,354	313	109
20	Rye.....	bushels.....	40,061	7,867	2,718	1,544	1,197	228	20,209	2,785	1,640
21	Other grains:										
22	Dry peas.....	acres.....	19	12	12	6	30	10		227	109
23	Dry peas.....	bushels.....	73	20	175	174	94	6	1,020	974	3
24	Dry edible beans.....	acres.....	9	16	5	5	2	2		3	
25	Dry edible beans.....	bushels.....	7	66	94	31	26	69	55	89	
26	Hay and forage:										
27	Total.....	acres.....	25,906	7,431	8,253	3,171	5,640	10,771	28,673	8,418	5,589
28	All tame or cultivated grasses.....	tons.....	30,094	10,379	8,552	3,297	9,171	13,303	29,867	11,450	8,100
29	Timothy alone.....	acres.....	25,063	6,277	7,481	2,692	4,801	10,548	28,499	5,260	4,330
30	Timothy alone.....	tons.....	24,881	8,018	7,843	2,888	8,180	13,035	29,295	7,829	6,009
31	Timothy and clover mixed.....	acres.....	16,413	2,497	2,272	835	2,076	3,273	11,808	572	767
32	Timothy and clover mixed.....	tons.....	10,547	3,299	2,264	905	4,003	3,825	12,201	776	1,048
33	Clover alone.....	acres.....	13,268	3,201	4,685	970	1,595	6,158	15,353	622	1,257
34	Clover alone.....	tons.....	12,933	3,977	4,810	959	2,318	7,532	15,332	1,091	1,701
35	Alfalfa.....	acres.....	1,127	109	523	342	723	799	987	4,012	2,070
36	Alfalfa.....	tons.....	1,103	138	557	307	1,097	1,001	1,057	5,863	2,887
37	Millet or Hungarian grass.....	acres.....	154	89	42	79	60	226	201	11	24
38	Millet or Hungarian grass.....	tons.....	218	215	122	191	168	533	605	27	49
39	Other tame or cultivated grasses.....	acres.....	26	34	28	126	77	19	60	28	158
40	Other tame or cultivated grasses.....	tons.....	32	50	43	160	108	22	100	40	204
41	Wild, salt, or prairie grasses.....	acres.....	75	347	31	340	360	73	21	54	60
42	Wild, salt, or prairie grasses.....	tons.....	48	339	47	276	486	122	32	60	60
43	Grains cut green.....	acres.....		140	214	8		34	14	004	26
44	Grains cut green.....	tons.....		130	276	4		27	22	1,126	48
45	Coarse forage.....	acres.....	237	651	530	379	649	170	16	1,680	562
46	Coarse forage.....	tons.....	487	916	415	365	880	177	18	1,952	873
47	Special crops:										
48	Potatoes.....	acres.....	606	363	27	92	100	19	144	808	661
49	Potatoes.....	bushels.....	4,725	1,315	12	40	111	61	532	543	1,170
50	Sweet potatoes and yams.....	acres.....									
51	Sweet potatoes and yams.....	bushels.....	2,398	2,674	433	209	2,147	489	1,589	1,606	3,661
52	All other vegetables.....	acres.....	193,783	275,558	39,559	15,565	263,103	42,600	129,045	159,621	410,075
53	Tobacco.....	acres.....	16	834	301	80	440	71	38	1,119	1,277
54	Tobacco.....	pounds.....	1,723	110,148	53,935	6,482	66,209	8,078	2,913	159,474	178,570
55	Fruits and nuts.....	acres.....	1,485	5,604	2,350	813	2,509	4,351	1,132	5,821	2,737
56	Fruits and nuts.....	pounds.....	584,314	3,542,392	4,104,660				10	140	35
FRUITS AND NUTS											
57	Orchard fruits:										
58	Total.....	trees.....	111,076	137,731	177,811	34,887	57,126	52,239	441,895	112,158	77,873
59	Apples.....	bushels.....	236,764	62,126	70,190	38,006	22,184	35,949	386,254	19,681	15,682
60	Apples.....	trees.....	79,308	43,922	16,744	17,218	23,217	18,741	141,113	53,470	37,542
61	Peaches and nectarines.....	bushels.....	213,234	51,796	18,150	29,509	15,276	24,323	254,005	10,501	14,412
62	Peaches and nectarines.....	trees.....	6,903	9,556	119,804	9,556	22,057	22,020	200,590	47,170	30,213
63	Pears.....	bushels.....	2,229	1,877	12,902	3,171	4,584	6,125	117,895	2,710	645
64	Pears.....	trees.....	17,895	29,177	30,205	4,777	7,883	9,072	23,006	8,318	6,885
65	Plums and prunes.....	bushels.....	17,830	6,546	38,427	2,550	1,882	3,915	6,342	193	587
66	Plums and prunes.....	trees.....	2,537	4,866	795	896	1,247	1,159	5,175	1,392	1,633
67	Cherries.....	bushels.....	738	489	128	174	45	233	1,364	29	1,239
68	Cherries.....	trees.....	3,733	3,652	607	2,422	966	2,038	1,396	1,306	306
69	Quinces.....	bushels.....	2,553	1,381	522	2,524	211	1,269	5,649	115	106
70	Quinces.....	trees.....	573	295	141	77	555	355	2,564	370	370
71	Grapes.....	bushels.....	133	17	53	5	186	70	982	27	9
72	Grapes.....	vines.....	6,350	25,653	532	1,757	2,320	1,421	11,999	2,828	7,846
73	Tropical fruits:	pounds.....	109,775	224,209	9,661	22,591	25,694	35,635	174,359	61,801	21,865
74	Figs.....	trees.....	3	10	15	37	234	470		8	3
75	Figs.....	pounds.....	3	10	15	37	234	470		7	3
76	Small fruits:										
77	Total.....	acres.....	183	453	130	2	2,865	56	514	3,103	1,207
78	Strawberries.....	quarts.....	388,894	905,089	197,507	2,342	4,584,151	103,867	658,918	5,111,232	2,051,717
79	Raspberries and loganberries.....	acres.....	164	354	106	2	2,859	49	93	2,700	1,205
80	Blackberries and dewberries.....	quarts.....	373,043	689,164	170,539	2,234	4,581,341	97,165	141,671	4,651,010	2,047,457
81	Nuts.....	acres.....	6	43	3			1	392	48	30
82	Nuts.....	quarts.....	5,861	50,880	2,510	72	260	800	485,002	68,344	20
83	Nuts.....	acres.....	9	51	12		5	0	27	355	2
84	Nuts.....	quarts.....	8,049	62,821	12,373		2,400	5,470	30,189	393,698	4,210
85	Nuts.....	trees.....	1,104	130	339	86	412	455	352	912	350
86	Nuts.....	pounds.....	5,675	4,230	40,412	8,800	9,858	12,339	1,932	27,796	12,085

TABLE 5.—SELECTED FARM EXPENSES AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	Labor.....	dollars.....	1,707	1,335	1,058	872	1,419	957	1,895	1,451	1,164
2	Farms reporting.....	dollars.....	476,893	375,275	257,350	65,698	203,838	224,609	336,220	178,834	121,875
3	Cash expended.....	dollars.....	175,632	98,975	110,371	38,252	17,180	88,867	96,005	16,504	21,191
4	Rent and board furnished.....	dollars.....	1,781	1,814	1,184	1,212	1,397	1,100	1,924	2,510	1,971
5	Fertilizer.....	dollars.....	221,306	103,752	148,293	70,022	95,434	107,249	126,773	155,472	145,748
6	Farms reporting.....	dollars.....	1,109	1,074	302	496	757	809	1,219	1,150	698
7	Amount expended.....	dollars.....	159,082	169,348	12,038	18,688	36,077	19,620	92,305	49,972	36,768
8	Receipts from sale of feedable crops.....	dollars.....	234,169	70,016	266,170	34,692	42,414	192,333	215,256	60,488	91,895

AGRICULTURE—MARYLAND.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

		THE STATE.	Alleghany.	Anne Arundel.	Baltimore.	Baltimore City.	Calvert.	Caroline.	Carroll.	Cecil.
1	Inclusures reporting domestic animals.....	26,838	2,054	672	3,171	3,763	142	609	1,539	743
2	Value of domestic animals.....dollars..	7,195,972	357,039	109,020	1,306,434	2,038,081	31,568	119,412	270,512	134,137
Cattle:										
3	Total number.....	14,710	2,063	421	2,523	665	119	105	748	430
4	Value.....dollars..	484,112	68,895	13,261	94,342	31,025	3,205	4,215	23,883	14,116
5	Number of dairy cows.....	11,009	1,685	330	1,933	554	75	86	572	334
Horses:										
6	Total number.....	40,121	1,755	735	5,181	15,280	155	771	1,775	1,035
7	Value.....dollars..	5,952,420	252,235	85,378	1,170,845	2,350,565	27,264	96,725	224,909	110,050
8	Number of mature horses.....	39,620	1,737	715	5,141	15,221	152	762	1,739	1,027
Mules and asses and burros:										
9	Total number.....	3,624	195	53	525	1,812	3	90	59	14
10	Value.....dollars..	577,512	27,265	7,639	85,880	308,579	280	14,923	7,800	1,540
11	Number of mature mules.....	3,519	185	53	519	1,763	3	89	52	13
Swine:										
12	Total number.....	24,424	1,013	558	1,780	100	195	523	2,450	292
13	Value.....dollars..	176,355	8,321	3,164	14,372	1,093	819	3,549	16,643	1,809
Sheep and goats:										
14	Total number.....	1,055	46	27	186	149			43	4
15	Value.....dollars..	5,573	313	178	995	810			277	13

		Charles.	Dorchester.	Frederick.	Garrett.	Harford.	Howard.	Kent.	Montgomery.
1	Inclusures reporting domestic animals.....	158	1,113	2,344	506	984	385	872	1,092
2	Value of domestic animals.....dollars..	30,055	143,814	300,396	86,669	195,221	71,742	124,988	157,042
Cattle:									
3	Total number.....	206	667	1,360	553	700	248	119	632
4	Value.....dollars..	5,018	16,598	40,910	17,627	25,802	9,021	3,926	22,790
5	Number of dairy cows.....	137	292	934	411	618	209	91	529
Horses:									
6	Total number.....	226	885	2,175	460	1,224	446	937	990
7	Value.....dollars..	23,635	104,200	283,204	59,885	154,998	53,985	107,897	118,778
8	Number of mature horses.....	208	874	2,111	453	1,193	438	919	951
Mules and asses and burros:									
9	Total number.....	4	104	28	51	55	37	63	46
10	Value.....dollars..	400	17,545	3,910	6,815	8,025	6,340	9,200	5,685
11	Number of mature mules.....	4	101	27	48	53	37	61	46
Swine:									
12	Total number.....	148	1,055	4,228	273	860	341	745	1,432
13	Value.....dollars..	881	6,252	31,229	2,122	6,194	2,329	3,965	9,738
Sheep and goats:									
14	Total number.....	28	48	219	41	30	12		15
15	Value.....dollars..	121	219	1,143	220	202	67		51

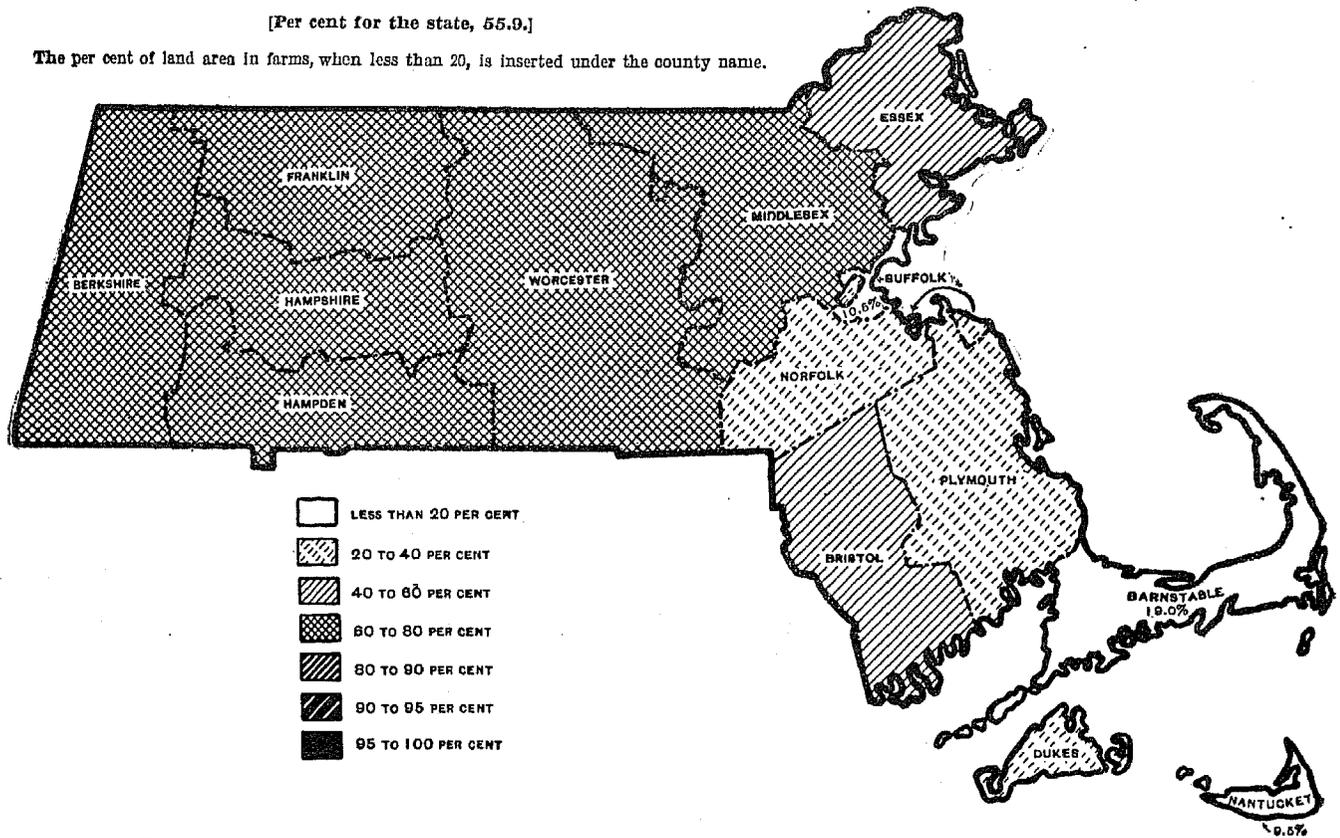
		Prince Georges.	Queen Annes.	St. Marys.	Somerset.	Talbot.	Washington.	Wicomico.	Worcester.
1	Inclusures reporting domestic animals.....	800	724	106	773	621	1,374	891	722
2	Value of domestic animals.....dollars..	128,405	98,808	35,853	70,070	85,233	268,064	120,377	119,483
Cattle:									
3	Total number.....	526	141	257	364	113	1,222	185	244
4	Value.....dollars..	18,823	4,368	7,295	9,769	3,641	33,993	5,748	6,842
5	Number of dairy cows.....	442	105	153	230	77	903	110	199
Horses:									
6	Total number.....	898	772	193	508	663	1,588	750	714
7	Value.....dollars..	101,396	86,285	23,270	53,808	70,833	194,119	96,480	89,076
8	Number of mature horses.....	877	751	191	501	657	1,566	739	697
Mules and asses and burros:									
9	Total number.....	23	17	17	28	52	92	124	132
10	Value.....dollars..	2,760	5,335	2,300	3,225	6,700	10,645	16,750	17,971
11	Number of mature mules.....	23	10	17	28	52	85	123	129
Swine:									
12	Total number.....	772	620	444	656	646	3,318	1,080	895
13	Value.....dollars..	5,216	2,820	2,475	4,116	4,020	29,190	7,369	5,593
Sheep and goats:									
14	Total number.....	34		110	17	6	25	6	
15	Value.....dollars..	210		513	52	33	117	30	

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MASSACHUSETTS, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 55.9.]

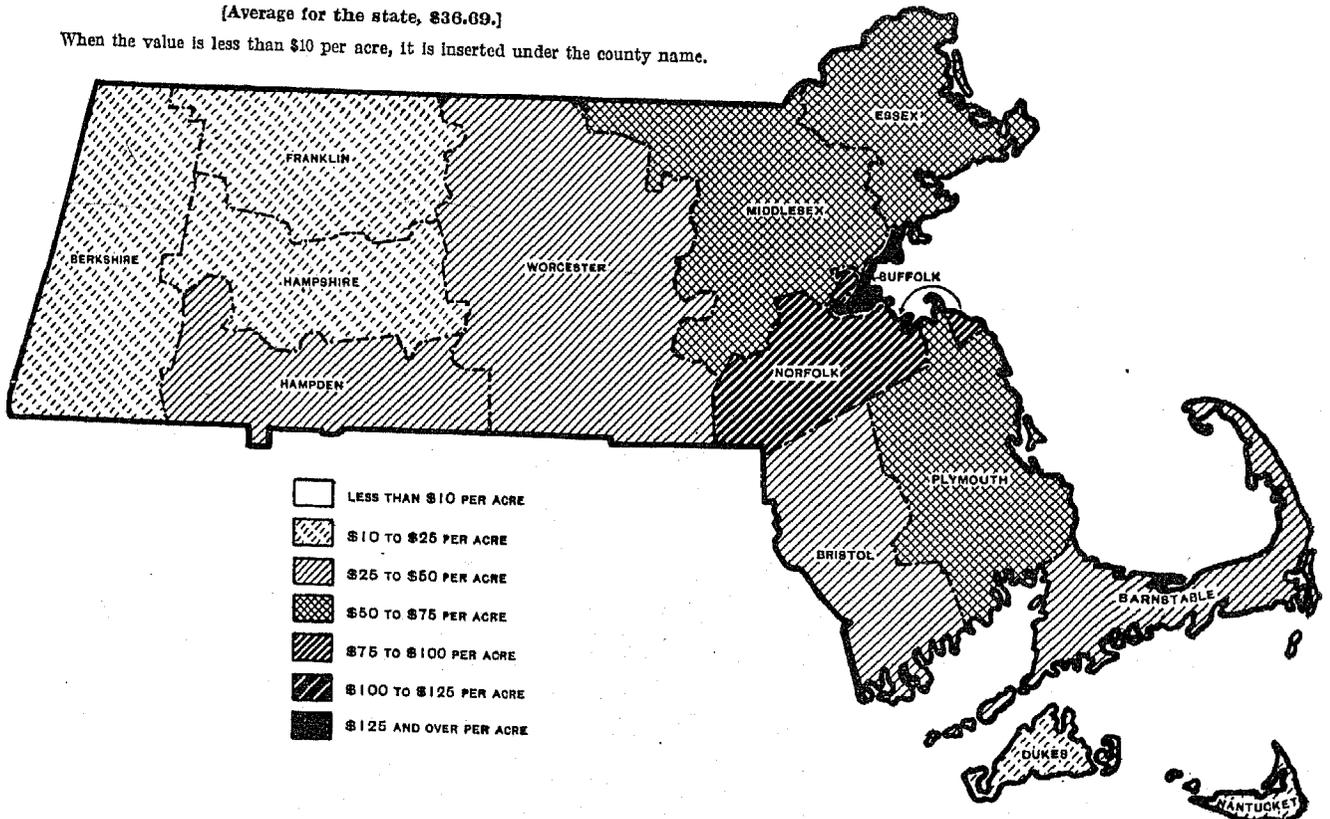
The per cent of land area in farms, when less than 20, is inserted under the county name.



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$36.69.]

When the value is less than \$10 per acre, it is inserted under the county name.



MASSACHUSETTS.

FARMS AND FARM PROPERTY.

Massachusetts ranks forty-fourth in area and sixth in population among the states and territories of continental United States. The state is divided into four principal physical regions: The low coastward plain, the eastern highlands, the Connecticut Basin with the included Holyoke Range, and the western highlands with the infolded Berkshire Valley.

While in their general features the soils of Massachusetts fall within a few classes, yet nearly every square mile of the state contains a considerable number of soils which differ in detail. These soils are derived either directly or indirectly from the glaciation of the entire area of the state. Through this glaciation, the higher mountainous ridges have been swept nearly bare of all fine-grained soil-forming material, but deep deposits of glacial till have been made at all the lower elevations over the sloping flanks of the ridges, and over the crests of the lower hills. With this glaciation of the upland, and particularly with the retreat of the ice, there has been extensive deposition of sandy and gravelly outwash material which was laid down not only in the Connecticut Basin, but also, less extensively, in practically every one of the larger and lower-lying valleys of the state. Along the eastern coast the till-covered upland is bordered by sandy and gravelly outwash plains which occupy all the lower elevations and are only interrupted by low rolling hills, with their heavier till soils, which rise above the general level of the surface.

On lands along the borders of the streams, upon more level areas, and wherever the soil is finely textured, corn and hay are the chief crops. Numerous small bogs of a peaty or swampy nature in the southeastern part of the state constitute extremely valuable

cranberry soils. The sandy and sandy loam soils in the vicinity of Boston and in the valleys of the Merrimac and its tributaries are largely used for the production of market-garden vegetables wherever transportation facilities to city markets are available. The level terrace soils of the Connecticut Basin form some of the best farm lands within the state. It is upon these soils that the tobacco culture of the state has been most widely developed, and more recently market-garden and trucking crops, particularly onions, have been extensively produced. These soils also give good yields of corn, oats, and grass. In the Berkshire Valley, in the western part of the state, the soils have been derived through the glaciation of the underlying limestone, and are among the best in the state for the growth of grass and corn. Throughout the highland portion of the state the steeper slopes are used as mountain pastures or form wood lot and forest areas. The more gentle slopes are occupied by tilled fields.

The two maps on the opposite page show, by counties, the proportion of the total land area which is in farms and the average value of farm land per acre. Of the state's entire land area, 55.9 per cent is in farms, and the first map shows that in every inland county between three-fifths and four-fifths of the total land area is in farms. In two of the remaining counties the proportion is between 40 and 60 per cent, in three between 20 and 40 per cent, and in three it is less than 20 per cent.

Progress during the decade 1900 to 1910.—The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE. ¹	
			Amount.	Per cent.
Population.....	3, 366, 416	2, 805, 346	561, 070	20. 0
Number of all farms.....	36, 917	37, 715	-798	-2. 1
Approximate land area of the state.....acres..	5, 144, 960	5, 144, 960	.....	.....
Land in farms.....acres..	2, 875, 941	3, 147, 064	-271, 123	-8. 6
Improved land in farms.....acres..	1, 164, 501	1, 292, 132	-127, 631	-9. 9
Average acres per farm.....	77. 9	83. 4	-5. 5	-6. 6
Value of farm property:				
Total.....	\$226, 474, 025	\$182, 646, 704	\$43, 827, 321	24. 0
Land.....	105, 532, 616	86, 925, 410	18, 607, 206	21. 4
Buildings.....	88, 636, 149	71, 093, 880	17, 542, 269	24. 7
Implements and machinery.....	11, 563, 894	8, 828, 950	2, 734, 944	31. 0
Domestic animals, poultry, and bees.....	20, 741, 366	15, 798, 464	4, 942, 902	31. 3
Average value of all property per farm.....	\$6, 135	\$4, 843	\$1, 292	26. 7
Average value of land per acre.....	\$36. 69	\$27. 62	\$9. 07	32. 8

¹A minus sign (—) denotes decrease.

The average value of farm land per acre for the whole state is \$36.69. For Suffolk County, which includes the city of Boston, it is \$1,178.35 per acre, and for Norfolk, \$88.11. The second map shows that

in Essex, Middlesex, and Plymouth Counties the figure is between \$50 and \$75; in Barnstable, Bristol, Hampden, and Worcester, between \$25 and \$50; and in the remaining counties, between \$10 and \$25. (745)

Between 1900 and 1910 there was an increase of 561,070, or 20 per cent, in the population of the state, while there was a decrease of 798, or 2.1 per cent, in the number of farms, and a decrease of 271,123 acres, or 8.6 per cent, in the area of farm land. The improved land in farms decreased 127,631 acres, or 9.9 per cent, and the average size of farms fell from 83.4 to 77.9 acres.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), has increased in value during the decade \$43,827,000, or 24 per cent. This increase was chiefly made up of an increase of \$18,607,000 in the value of land and of \$17,542,000 in the value of buildings. There was also an increase of \$7,678,000 in the value of farm equipment, of which almost two-thirds represents a gain in the value of live stock and the remainder an increase in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$4,843, while 10 years later it was \$6,135. The average value of land rose from \$27.62 per acre in 1900 to \$36.69 in 1910, an increase of 32.8 per cent. This advance was accompanied by increases in the average values per farm of buildings, of implements and machinery, and of live stock.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Population.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land improved.
		Num-ber.	Per cent of in-crease. ¹	All land.		Improved land (acres).		
				Acres.	Per cent of in-crease. ¹			
1910.....	3,366,416	36,917	-2.1	2,875,941	-8.6	1,164,501	55.9	40.5
1900.....	2,805,340	37,715	9.7	3,147,064	5.0	1,292,132	61.2	41.1
1890.....	2,238,947	34,374	-10.5	2,998,282	-10.7	1,657,024	58.3	55.3
1880.....	1,783,085	38,406	44.9	3,359,079	23.0	2,128,311	65.3	63.4
1870.....	1,457,351	20,500	-25.6	2,730,283	-18.2	1,736,221	53.1	63.6
1860.....	1,231,066	35,001	4.5	3,338,724	-0.5	2,155,512	64.9	64.6
1850.....	994,514	34,069	.....	3,356,012	.....	2,133,436	65.2	63.6

¹ A minus sign (-) denotes decrease.

In the last 60 years the population of the state has increased 2,371,902, and in 1910 it was more than three times as great as in 1850.

There were 36,917 farms in Massachusetts in 1910, or 2,848 more than in 1850. This increase was not continuous, but was interrupted by a decrease during

each alternate decade. In 1880 the number reached 38,406, the highest figure for any of the years shown. The decrease during the last decade was very general, being shared by all but four counties.

The land surface of Massachusetts is approximately 5,144,960 acres. Of this area, 2,875,941 acres, or 55.9 per cent, are included in farms. Of the farm acreage, 1,164,501 acres, or 40.5 per cent, are reported as improved land, representing 22.6 per cent of the total land area of the state. Between 1900 and 1910 the total acreage of farm land decreased 8.6 per cent, and the acreage of improved land decreased 9.9 per cent; hence the percentage of farm land which is improved fell slightly.

The year 1880 shows the maximum acreage of land in farms, though the figures for this year are only slightly larger than those for 1850. The acreage of improved land, likewise, and the percentage of land improved were approximately the same in 1880 as in 1850. Between 1880 and 1910 there was an almost general decline in all these items. The net decrease in the whole farm land area during these 30 years amounted to 14.4 per cent; the area of improved land decreased without interruption until in 1910 it was only about one-half what it was in 1880; and the percentage of farm land improved declined steadily throughout the period, from 63.4 per cent in 1880 to 40.5 per cent in 1910.

Values of farm property: 1850 to 1910.—The agricultural changes in Massachusetts since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase. ¹	Value.	Per cent of increase. ¹	Value.	Per cent of increase.	Value.	Per cent of increase. ¹
1910.....	\$226,474,025	24.0	\$194,168,705	22.9	\$11,563,804	31.0	\$20,741,866	31.3
1900.....	182,646,704	23.7	168,019,290	23.9	8,828,950	48.7	15,798,464	11.3
1890.....	147,677,402	-10.1	127,538,284	-12.8	5,938,940	15.7	14,200,178	9.6
1880.....	104,288,956	48.3	146,197,415	57.0	5,134,537	28.3	12,957,004	-5.0
1870.....	110,786,313	-20.8	63,146,227	-24.4	4,000,703	2.7	13,639,383	7.1
1860.....	139,888,690	14.7	123,265,948	13.0	3,894,998	21.4	12,737,744	32.0
1850.....	121,933,641	.....	109,076,347	.....	3,209,684	.....	9,647,710	.....

¹ A minus sign (-) denotes decrease.

² Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is \$226,474,000, of which 85.7 per cent is represented by land and buildings, 5.1 per cent by implements and machinery, and 9.2 per cent by live stock. The total value of farm property increased during the last 10 years by \$43,827,000, or 24 per cent, a slightly greater relative increase than that in the preceding decade. From 1860 to 1870 and again from 1880 to 1890 the total value of farm property decreased, but by reason of greater increases in other decades the value in 1910 was nearly double that in 1850. The greatest increase was from 1870 to 1880.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Massachusetts farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	77.9	\$6,135	\$5,260	\$313	\$562	\$67.51
1900.....	83.4	4,843	4,190	234	419	50.21
1890.....	87.2	4,298	3,710	173	413	42.54
1880.....	87.5	4,278	3,807	134	337	43.52
1870 ²	103.0	4,181	3,515	151	515	34.12
1860.....	93.8	3,929	3,462	109	358	36.92
1850.....	98.5	3,579	3,202	94	283	32.50

¹ Averages are based on "all farms" in state.
² Computed gold values, being 80 per cent of the currency values reported.

In average size the Massachusetts farm decreased from 98.5 acres in 1850 to 77.9 acres in 1910. The highest figure, 103 acres, was reached in 1870, since which time the decrease has been continuous.

The average value of a Massachusetts farm, including its equipment, has grown continuously from \$3,579 in 1850 to \$6,135 in 1910. Of the latter value, \$5,260 represents the value of land and buildings, \$562 that of live stock, and \$313 that of implements and machinery. The increase in the value per farm of all farm property during the last decade was slightly greater than that during the preceding half century. During the last decade the average value of land and buildings has increased \$17.30 per acre, or about as much as during the preceding half century, and the value per farm of equipment, which includes implements and machinery and live stock, is more than twice as great as in 1850.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	36,917	37,715	34,374	38,406
Farms operated by owners and managers.....	33,938	34,112	31,177	35,266
Farms consisting of owned land only.....	30,705	31,002	(¹)	(¹)
Farms consisting of owned and hired land.....	1,370	1,579	(¹)	(¹)
Farms operated by managers.....	1,863	1,531	(¹)	(¹)
Farms operated by tenants.....	2,979	3,603	3,197	3,140
Share tenants.....	214	482	893	848
Share-cash tenants ²	43			
Cash tenants.....	2,115	3,121	2,304	2,202
Tenure not specified ³	607			
Per cent of farms operated by—				
Owners and managers.....	91.9	90.4	90.7	91.8
Tenants.....	8.1	9.6	9.3	8.2
Share and share-cash.....	0.7	1.3	2.6	2.2
Cash and nonspecified.....	7.4	8.3	6.7	6.0

¹ Not reported separately.
² Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
³ Prior to 1910 nonspecified tenants were included with cash tenants.

During the last decade there was a decrease of 798 in the total number of farms, which decrease was made up of a loss of 174 in the number operated by owners and managers and a loss of 624 in the number operated by tenants. In 1910, 8.1 per cent of all farms were operated by tenants. In 1880 the proportion was approximately the same, but in the intervening decades it was higher, rising to 9.3 per cent in 1890 and to 9.6 per cent in 1900.

Cash tenancy (including nonspecified) is the prevailing form of tenancy, being reported in 1910 for 2,722, or 91.4 per cent, of the 2,979 farms operated by tenants, while share tenancy and share-cash tenancy were reported for only 257, or 8.6 per cent, of these farms. The number of farms operated by cash tenants, though less than in 1900, was somewhat greater than in 1890 or 1880, while the number operated by share tenants has decreased steadily since 1890, when it was highest, 893.

The following table shows the acreage, improved acreage, and value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	2,875,941	3,147,004	1,164,501	1,292,132	\$194,168,765	\$158,019,290
Owners.....	2,343,103	2,640,113	931,021	1,085,254	144,241,308	123,581,180
Managers.....	330,914	234,034	150,206	92,019	30,745,990	20,602,010
Tenants.....	201,924	266,917	82,674	114,859	13,181,377	13,836,100

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	86.9	86.4	81.5	84.1	80.0	84.0	74.3	78.2
Managers.....	5.0	4.1	11.5	7.4	12.9	7.1	18.9	13.0
Tenants.....	8.1	9.6	7.0	8.5	7.1	8.9	6.8	8.8

It will be seen that, in 1910, 81.5 per cent of all land in farms was in farms operated by their owners (including part owners), 11.5 per cent in farms operated by managers, and 7 per cent in farms operated by tenants, the percentages for owners and for tenants being lower and that for managers higher than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (177.6 acres) was more than twice as great as that of farms operated by owners (73.1 acres), which was in turn somewhat larger than that of farms operated by tenants (67.8 acres). The average size of farms operated by managers increased between 1900 and 1910, while that of

farms operated by owners and by tenants decreased. In 1910 the percentage of farm land improved was highest for farms operated by managers, and lowest for those operated by owners.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		1910	1900	Per farm.		Per acre.	
	1910	1900	1910	1900			1910	1900	1910	1900
Total.....	77.9	83.4	31.5	34.3	40.5	41.1	\$5,260	\$4,190	\$67.51	\$50.21
Owners.....	73.1	81.2	29.0	33.3	39.8	41.0	4,497	3,793	61.59	46.70
Managers.....	177.6	152.9	80.6	60.1	45.4	39.3	10,724	13,457	111.04	88.03
Tenants.....	67.8	74.1	27.8	31.9	40.9	43.0	4,425	3,840	65.28	51.84

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED FARMS. ¹		OWNED FARM HOMES.		OWNED FARM HOMES. ²	
	1910		1900		1890	
	Number.	Per cent. ³	Number.	Per cent. ³	Number.	Per cent.
Total.....	32,075		31,537		29,370	
Free from mortgage.....	18,768	59.1	18,971	61.4	20,425	69.5
Mortgaged.....	13,014	40.9	11,941	38.6	8,945	30.5
Unknown.....	293		675			

¹ Includes all farms owned in whole or in part by the operator.
² The 158 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.
³ Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 32,075. Of this number, 18,768 were reported as free from mortgage; 13,014 were reported as mortgaged; and for 293 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 40.9 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is only slightly larger than it was in 1900 but considerably larger than it was in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the

later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1910 the number of mortgaged farms increased considerably while the number free from mortgage decreased.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 13,014 farms reported as mortgaged, 12,432 are wholly owned by the farmers, and for 12,030 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgaged debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE.	
	1910 ¹	1890 ²	Amount.	Per cent.
Number.....	12,030	8,945		
Value—Land and buildings.....	\$49,742,396	\$28,249,173		
Amount of mortgage debt.....	\$16,371,484	\$11,831,941		
Per cent of debt to value.....	32.9	41.9		
Average value per farm.....	\$4,135	\$3,158	\$977	30.9
Average debt per farm.....	\$1,361	\$1,323	\$38	2.9
Average equity per farm.....	\$2,774	\$1,835	\$939	51.2

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms increased in 20 years from \$1,323 to \$1,361, or 2.9 per cent, while the average value of such farms rose from \$3,158 to \$4,135, or 30.9 per cent. Thus the owner's equity increased from \$1,835 to \$2,774, or 51.2 per cent. As a result of the greater relative increase in farm value than in farm debt, the ratio of the mortgage indebtedness to the value of the mortgaged farms, which was 41.9 per cent in 1890, had decreased in 1910 to 32.9 per cent.

Farms by size groups: 1910 and 1900.—About 46 out of every 100 Massachusetts farms are between 20 and 99 acres in size. A study of the distribution of farms by size groups discloses the fact that much the greatest relative gain in number from 1900 to 1910 was in the group ranging from 3 to 9 acres. The farms containing from 10 to 19 acres and those containing 1,000 acres and over also increased in number, while those between 20 and 49 acres showed practically no relative change. The number

of places of less than 3 acres reported as farms decreased 118, or 12.4 per cent. This decrease may be due to a different interpretation by the enumerators of what constitutes a small farm, or may represent an actual decrease in that type of farm. A decrease is shown for each group of farms falling between 50 and 999 acres, the aggregate decrease being 2,548, or 12.8 per cent.

The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total.....	36,917	37,715	-798	-2.1	100.0	100.0
Under 3 acres.....	833	951	-118	-12.4	2.3	2.5
3 to 9 acres.....	4,817	3,614	1,203	33.3	13.0	9.6
10 to 19 acres.....	4,956	4,324	632	14.6	13.4	11.5
20 to 49 acres.....	8,890	8,875	15	0.2	24.1	23.5
50 to 99 acres.....	7,981	8,910	-929	-10.4	21.6	23.6
100 to 174 acres.....	5,703	6,660	-957	-14.4	15.4	17.7
175 to 259 acres.....	2,147	2,533	-386	-15.2	5.8	6.7
260 to 499 acres.....	1,178	1,434	-256	-17.9	3.2	3.8
500 to 999 acres.....	319	339	-20	-5.9	0.9	0.9
1,000 acres and over.....	93	75	18	24.0	0.3	0.2

¹ A minus sign (-) denotes decrease.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 10,606), and also the farms of between 175 and 499 acres (numbering 3,325):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	2,875,941	3,147,064	1,164,501	1,292,132	\$194,168,765	\$158,019,290
Under 20 acres.....	96,041	84,038	69,869	61,232	39,272,556	25,042,830
20 to 49 acres.....	287,509	290,522	156,902	168,836	36,665,199	29,582,340
50 to 99 acres.....	554,699	618,783	252,447	284,900	40,039,114	35,858,140
100 to 174 acres.....	721,710	825,328	290,707	347,356	34,863,149	31,420,880
175 to 499 acres.....	840,139	997,933	278,531	356,133	32,098,128	28,148,110
500 to 999 acres.....	197,218	210,173	47,817	62,506	6,375,095	5,306,020
1,000 acres and over.....	178,025	120,287	68,228	21,169	3,955,524	1,760,970

The following table shows the per cent distribution by size groups of the items in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres.....	28.7	23.6	3.3	2.7	6.0	4.7	20.2	16.4
20 to 49 acres.....	24.1	23.5	10.0	9.2	13.5	12.3	18.9	18.7
50 to 99 acres.....	21.6	23.6	19.3	19.7	21.7	22.0	21.1	22.7
100 to 174 acres.....	15.4	17.7	25.1	26.2	25.0	26.9	18.0	19.9
175 to 499 acres.....	9.0	10.5	29.2	31.7	23.9	27.6	16.5	17.8
500 to 999 acres.....	0.9	0.9	6.9	6.7	4.1	4.8	3.3	3.4
1,000 acres and over.....	0.3	0.2	6.2	3.8	5.9	1.6	2.0	1.1

Of the total farm acreage of the state in 1910, 25.1 per cent was in farms of 100 to 174 acres, and 29.2 per cent in farms of 175 to 499 acres, these two being from the standpoint of aggregate acreage the most

important size groups. The most noteworthy change between 1900 and 1910 was the increase in the proportion of the total acreage which was in farms of less than 20 acres and in farms of 1,000 acres and over.

In general, as shown by the table below, the percentage of farm land improved diminishes as the size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group. Many of the small farms in Massachusetts are primarily places of residence of wealthy persons, with expensive buildings, and many others are highly improved truck farms.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	40.5	41.1	\$5,260	\$4,190	\$67.51	\$60.21
Under 20 acres.....	72.8	72.9	3,703	2,919	408.91	308.70
20 to 49 acres.....	54.6	54.7	4,124	4,323	127.53	101.82
50 to 99 acres.....	45.5	46.1	5,130	4,034	73.80	57.95
100 to 174 acres.....	40.3	42.1	6,113	4,718	48.31	38.07
175 to 499 acres.....	33.2	35.7	9,654	7,006	38.21	28.21
500 to 999 acres.....	24.2	29.7	19,985	15,652	32.33	25.25
1,000 acres and over.....	38.2	17.0	42,533	23,480	22.14	14.64

Color and nativity of farmers: 1910.—Prior to the present census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.			Per cent of total.			Managers.	
	Num-ber.	Per cent distri-bution.	Own-ers.	Ten-ants.	Own-ers.	Ten-ants.		
Total.....	36,917	100.0	32,075	2,979	1,863	88.9	8.1	5.0
Native white.....	28,431	77.0	24,857	2,173	1,401	87.4	7.6	4.9
Foreign-born white..	8,362	22.7	7,199	795	453	85.0	9.5	5.5
Negro and other nonwhite.....	124	0.3	109	11	4	87.9	8.9	3.2

Of all Massachusetts farmers, 77 per cent were in 1910 native whites, 22.7 per cent foreign-born whites, and only 0.3 per cent negroes and other nonwhites. Of the nonwhites, 103 were negroes and 21 Indians. Of the native white farmers, 7.6 per cent were tenants and 4.9 per cent managers, while the corresponding percentages for the foreign-born white farmers were 9.5 and 5.5, and for the nonwhite farmers, 8.9 and 3.2.

Of the 8,362 foreign-born farmers in 1910, those born in Canada numbered 2,277; Ireland, 1,572; England, 994; Germany, 598; and Sweden, 520. Austria, France, Italy, Poland, Russia, and Scotland each

had between 100 and 500 representatives, while Bohemia, Denmark, Holland, Hungary, Norway, Switzerland, and Wales each had less than 100.

Other European countries were represented by 585 farmers and non-European countries other than Canada by 106.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Per cent of all farms.	Number.	Value.	Average value.
Total.....	32,099	86.9	.....	\$19,208,712	.....
Cattle.....	27,532	74.6	252,416	9,348,076	\$37.03
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	27,193	73.7	171,936	7,815,701	45.46
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	6,286	17.0	20,100	512,381	25.49
Heifers born in 1909.....	9,487	25.7	24,587	420,164	17.09
Calves born after Jan. 1, 1910.....	9,529	25.8	25,571	167,200	6.54
Steers and bulls born in 1909.....	2,479	6.7	4,834	114,821	23.75
Steers and bulls born before Jan. 1, 1909.....	3,196	8.7	5,388	317,809	58.98
Horses.....	28,173	76.3	64,283	3,671,997	184.90
Mares, stallions, and geldings born before Jan. 1, 1909.....	28,136	76.2	63,161	3,576,453	135.79
Colts born in 1909.....	709	1.9	948	86,054	90.77
Colts born after Jan. 1, 1910.....	121	0.3	174	9,490	54.54
Mules.....	155	0.4	268	43,385	161.88
Mules born before Jan. 1, 1909.....	149	0.4	259	42,905	165.66
Mule colts born in 1909.....	5	(1)	5	305	73.00
Mule colts born after Jan. 1, 1910.....	3	(1)	4	115	28.75
Asses and burros.....	19	0.1	21	1,777	84.62
Swine.....	11,005	29.8	103,018	978,989	9.50
Hogs and pigs born before Jan. 1, 1910.....	9,209	24.9	62,303	809,431	12.93
Pigs born after Jan. 1, 1910.....	3,904	10.6	40,650	169,558	4.17
Sheep.....	1,028	2.8	32,708	156,498	4.78
Ewes born before Jan. 1, 1910.....	947	2.6	20,912	111,140	5.31
Rams and wethers born before Jan. 1, 1910.....	430	1.2	1,787	13,898	7.78
Lambs born after Jan. 1, 1910.....	700	1.9	10,009	31,460	3.14
Goats.....	201	0.5	1,261	7,990	6.39

¹ Less than one-tenth of 1 per cent.

The total value of live stock on farms, including domestic animals, poultry, and bees in 1910 was \$20,741,000, of which domestic animals contributed \$19,209,000. The value of cattle represented 45.1 per cent of the total value of live stock; that of horses, 41.8 per cent; that of swine, 4.7 per cent; that of sheep and lambs, 0.8 per cent; and that of poultry, 7.2 per cent, the other classes being insignificant.

Of the total number of farms enumerated, 32,099, or 86.9 per cent, report domestic animals of some kind, the number without any domestic animals being 4,818.

Of all the farms in the state, 74.6 per cent report cattle, 73.7 per cent report "dairy cows," but only 17 per cent "other cows." Only 339 farms have cattle without having dairy cows. The farms reporting dairy cows show an average of over 6 per farm.

Horses are reported by 76.3 per cent of all the farms in the state, but only 1.9 per cent report colts born in 1909 and only 0.3 per cent report spring colts. The average value of mature horses is reported at \$135.79.

Only one farmer in every two hundred and fifty reports mules. The average value of mature mules is considerably higher than that of horses.

Sheep and lambs are reported from only 1,028 farms, or 2.8 per cent of all the farms in the state. Of these 1,028 farms, 68.1 per cent report spring lambs, the number of the latter being equal to 47.9 per cent of the number of ewes. This comparatively small proportion is doubtless due to the early date of enumeration. For the farms reporting ewes the average is 22 per farm.

Of all farms, 29.8 per cent report swine, the average number being over 9 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is \$12.98, while that of spring pigs is about one-third as much.

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Percent of all farms.			
Total.....	28,154	76.3	1,798,380	\$1,492,961	1,630,693
Chickens.....	28,018	75.9	1,709,934	1,402,977	1,425,269
Turkeys.....	692	1.9	2,645	8,720	3,018
Ducks.....	1,888	5.1	23,153	23,255	46,017
Geese.....	896	2.4	12,313	26,307	6,389
Guinea fowls.....	312	2.2	4,446	3,543	(1)
Pigeons.....	948	2.6	44,830	24,310	(2)
Pheasants.....	3	(3)	1,055	3,200	(3)
Peafowls.....	2	(3)	4	75	(3)

¹ Included with chickens. ² Not reported. ³ Less than one-tenth of 1 per cent.

The increase in the number of fowls on Massachusetts farms during the last decade amounts to 7 per cent, while the value shows an increase from \$1,018,000 to \$1,493,000, or 46.6 per cent. The number of farms reporting poultry decreased from 30,504 to 28,154, but the average number of fowls per farm reporting increased from 55 to 64. More than three-fourths of all farms report chickens, and the value of this most common variety of poultry constitutes more than nine-tenths of the value of all poultry in the state. The value of poultry and the number of farms reporting were obtained in 1900 for the total of fowls only, and not for each kind, as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 1,799 in 1900 to 1,597 in 1910, or 11.2 per cent. The number of colonies of bees decreased from 8,381 to 7,464, or 10.9 per cent, and their value increased from \$35,751 to \$39,683, or 11 per cent. The average value per colony was \$5.32 in 1910, as against \$4.27 in 1900. The average value of bees per farm reporting was \$19.87 in 1900 and \$24.85 in 1910. About four farms in every one hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the next table age groups are omitted for the sake of brevity, but it may be noted that in cities and villages a comparatively small proportion of the animals of each class are in the younger age groups.

As would be expected, horses are by far the most important class of domestic animals not on farms, both

in number and in value; cattle, consisting mainly of dairy cows, rank next in importance.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total	43,083		\$20,482,394	
All cattle.....	9,802	19,896	875,189	\$43.99
Dairy cows.....	9,410	16,082	794,095	49.38
Horses.....	37,659	115,186	10,423,642	168.03
Mules.....	112	271	44,778	165.23
Asses and burros.....	20	36	1,587	44.08
Swine.....	3,571	12,010	113,577	9.46
Sheep.....	92	4,329	18,792	4.34
Goats.....	359	643	4,829	7.51

Domestic animals on farms and not on farms: 1910.—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
Total		\$39,691,106		\$19,208,712		\$20,482,394
All cattle.....	272,312	10,223,265	252,416	9,348,076	19,896	875,189
Dairy cows.....	188,018	8,609,796	171,936	7,815,701	16,082	794,095
Horses.....	179,469	28,095,639	64,283	8,071,997	115,186	10,423,642
Mules.....	539	88,183	283	43,355	271	44,778
Asses and burros.....	67	3,304	21	1,777	36	1,587
Swine.....	115,028	1,092,556	103,018	978,989	12,010	113,577
Sheep.....	37,037	175,290	32,708	156,498	4,329	18,792
Goats.....	1,894	12,810	1,251	7,090	643	4,829

The total value of all domestic animals in the state in 1910 was \$39,691,000, of which the value of animals not on farms represented 51.6 per cent, this high proportion being attributable to the predominantly urban character of the population in Massachusetts. The number of horses not on farms was nearly four-fifths greater than the number on farms.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the production of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown further on, the net value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The next table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899.

The number of farms reporting dairy cows on April 15, 1910, was 27,193, but only 26,349 reported the production of any kind of dairy products in 1909.

That there should be this small difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 25,713 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 164,000. The amount of milk reported was 86,304,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 526 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms, April 15, 1910.....	27,163	73.7	171,936	Head	.....	.....
On farms reporting dairy products in 1909.....	26,349	71.4	168,959	Head	.....	.....
On farms reporting milk produced in 1909.....	25,713	69.7	163,967	Head	.....	.....
Specified dairy products, 1909:						
Milk reported.....	9,035	24.5	86,304,347	Gals	.....	\$0.31
Butter made.....	80	0.2	3,364,516	Lbs	\$1,041,482	\$0.12
Cheese made.....			45,753	Lbs	5,311	0.12
Milk sold.....	15,703	42.5	64,496,692	Gals	13,297,634	0.21
Cream sold.....	905	2.5	501,876	Gals	475,824	0.95
Butter fat sold.....	1,123	3.0	1,148,019	Lbs	367,523	0.32
Butter sold.....	4,557	12.3	2,220,311	Lbs	696,336	0.31
Cheese sold.....	45	0.1	32,490	Lbs	3,510	0.11
Total receipts from sales, 1909.....					14,840,927	.....
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					15,187,774	.....
Specified dairy products, 1899:						
Butter made.....	11,560	31.3	4,980,262	Lbs	.....	.....
Cheese made.....	84	0.2	19,020	Lbs	.....	.....
Butter sold.....			3,634,606	Lbs	884,575	0.24
Cheese sold.....			15,138	Lbs	1,996	0.13

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$15,188,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

A very large proportion of the milk produced in Massachusetts in 1909 was sold as such. Comparatively little milk and cream was sold on the butter fat basis. The butter made on farms in 1909 was valued at \$1,041,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the present census. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, but a marked relative increase in the production of cheese, which, however, is still comparatively small.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.¹

The total number of sheep of shearing age in Massachusetts on April 15, 1910, was 22,699, representing a decrease of 33 per cent as compared with

the number on June 1, 1900 (33,869). The approximate production of wool during 1909 was 21,667 fleeces, weighing 127,897 pounds, and valued at \$33,670. Of these totals about one-sixth represents estimates. The number of fleeces produced in 1909 was about 38 per cent less than in 1899. The average weight per fleece in 1909 was 5.9 pounds, as compared with 5.6 pounds in 1899, and the average value per pound was 26 cents, as compared with 21 cents in 1899.

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms, April 15, 1910.....	975	22,699	.....	.....	.....
Wool produced, as reported, 1909.....	716	.....	19,235	113,756	\$29,916
On farms reporting sheep, April 15, 1910.....	657	18,938	18,077	106,706	28,091
On other farms.....	50	.....	1,158	7,050	1,825
Total production of wool (partly estimated):					
1909.....			21,667	127,897	\$33,670
1899.....			35,057	195,876	40,291
Decrease, 1899 to 1909.....			13,400	67,979	6,621
Per cent of decrease.....			38.2	34.7	16.4

Goat hair and mohair: 1909 and 1899.—Although 201 farmers reported 1,251 goats and kids on their farms April 15, 1910, only 35 reported the production of goat hair or mohair during 1909. These farmers reported 536 fleeces, weighing 1,695 pounds and valued at \$509. Although the production is still unimportant, some increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The next statement gives data relative to the production and sale of eggs and poultry.

The total number of fowls on Massachusetts farms on April 15, 1910, was 1,798,000. Of the 28,154 farms reporting fowls, 2,814 did not report any eggs produced in 1909 and 3,727 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 13,306,000 dozens, valued at \$4,026,000. According to the Twelfth Census re-

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 318 farmers who reported the possession of 3,761 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators having found that a farm had no sheep in 1910 omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

ports, the production of eggs in 1899 was 12,929,000 dozens, the value being \$2,571,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 14,145,000 dozens, valued at \$4,280,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 3,212,000 fowls, valued at \$2,411,000.

	Number of farms reporting.	Number of fowls on hand.	PRODUCE.	
			Quantity.	Value.
Fowls on farms April 15, 1910	28,154	1,798,380		
On farms reporting eggs produced in 1909	25,840	1,606,811		
On other farms	2,814	101,609		
Eggs produced, as reported, 1909	27,337		Dozens.	\$4,026,346
Total production of eggs (partly estimated):				
1909			14,145,240	4,280,445
1899			12,928,630	2,571,341
Increase, 1899 to 1909			1,216,610	1,709,104
Per cent of increase			9.4	66.5
Eggs sold, as reported, 1909	21,084		9,614,504	2,914,755
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909	24,427	1,665,206		
On other farms	3,727	133,084		
Poultry raised, as reported, 1909	26,731		No. of fowls.	2,232,653
Total poultry raised (partly estimated):				
1909			3,212,339	2,411,078
1899				1,407,681
Increase, 1899 to 1909				1,003,397
Per cent of increase				71.3
Fowls sold, as reported, 1909	16,742		1,506,472	1,237,829

Honey and wax: 1909.—Although, as noted elsewhere, 1,597 farms reported 7,464 colonies of bees on hand April 15, 1910, 645 of these farms, with 2,037 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 96,802 pounds of honey, valued at \$18,806, and 1,019 pounds of wax, valued at \$370; the true totals are doubtless somewhat above these figures.

Sale and slaughter of domestic animals: 1909 and 1899.—The next statement presents statistics relating

to the sale and slaughter of domestic animals by Massachusetts farmers during the year 1909, with certain items for 1899.

The total value of domestic animals sold during 1909 was \$5,014,000, and that of animals slaughtered on farms \$1,006,000, making an aggregate of \$6,020,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented over 70 per cent of the total value of animals sold.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the total value of those slaughtered during 1899, which amounted, respectively, to \$1,284,000 and \$932,000.

The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals: ¹				\$5,014,442	
Sold				1,006,088	
Slaughtered					
Calves:					
Sold	12,412	33.6	95,486	435,770	\$4.56
Slaughtered	995	2.7	14,187	95,175	6.71
Other cattle:					
Sold	9,927	26.9	81,661	3,177,121	38.01
Slaughtered	2,021	5.5	13,521	300,800	26.69
Horses:					
Sold	1,991	5.4	5,963	833,141	139.72
Mules:					
Sold	9	(²)	16	3,330	208.13
Swine:					
Sold	3,885	10.5	62,930	531,003	8.31
Slaughtered	7,183	19.5	27,754	537,079	19.35
Sheep:					
Sold	385	1.0	6,558	32,637	4.98
Slaughtered	202	0.5	2,412	12,887	5.34
1899—All domestic animals:				1,284,454	
Sold ³				932,411	
Slaughtered					

¹ Includes small amounts for asses and burros, and goats, not listed separately.
² Less than one-tenth of 1 per cent.
³ Schedules called for receipts from sale of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The first table on the next page summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general

changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase. ¹		1909	1899	1909	1899	Increase. ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$31,948,095	\$23,157,544	\$8,790,551	38.0	100.0	100.0
Crops with acreage reports.....	654,844	735,134	-80,290	-10.9	56.2	56.9	27,062,235	19,893,681	7,168,554	36.0	84.7	85.9	85.9
Cereals.....	55,267	53,385	1,882	3.5	4.7	4.1	1,617,131	922,127	695,004	75.4	5.1	4.0	4.0
Other grains and seeds.....	456	751	-295	-35.3	(²)	0.1	13,541	17,219	-3,678	-21.4	(²)	0.1	0.1
Hay and forage.....	519,503	610,023	-90,520	-14.8	44.6	47.2	11,280,989	9,056,854	2,224,135	24.6	35.3	39.1	39.1
Tobacco.....	5,521	3,826	1,695	44.3	0.5	0.3	1,218,060	956,399	261,661	27.4	3.8	4.1	4.1
Sugar crops.....	77	77	0	0	(²)	(²)	9,769	9,769	0	0	(²)	(²)	(²)
Sundry minor crops.....	2	25	-23	(²)	(²)	(²)	400	1,243	-843	-67.8	(²)	(²)	(²)
Potatoes and sweet potatoes and yams.....	24,466	27,521	-3,055	-11.1	2.1	2.1	1,994,356	1,800,948	193,408	10.7	0.2	7.8	7.8
Other vegetables.....	37,220	29,779	7,441	25.0	3.2	2.3	6,189,857	3,745,348	2,444,509	65.3	10.4	10.2	10.2
Flowers and plants and nursery products.....	2,750	1,478	1,272	86.1	0.2	0.1	3,061,342	1,899,820	1,161,513	61.1	0.0	8.2	8.2
Small fruits.....	9,552	8,346	1,206	14.5	0.8	0.6	1,670,790	1,493,714	183,076	12.3	5.2	6.5	6.5
Crops with no acreage reports.....							4,885,860	3,263,863	1,621,997	49.7	15.3	14.1	14.1
Seeds.....							4,454	41,079	-36,625	-89.2	(²)	0.2	0.2
Fruits and nuts.....							2,108,799	4,218,659	890,140	73.0	6.6	5.3	5.3
Maple sugar and sirup.....							77,559	48,236	29,323	00.8	0.2	0.2	0.2
Forest products of farms.....							2,668,410	1,944,714	723,696	37.2	8.4	8.4	8.4
Miscellaneous.....							26,638	11,175	15,463	188.4	0.1	(²)	(²)

¹ A minus sign (-) denotes decrease.
² Less than one-tenth of 1 per cent.

* Per cent not calculated when base is less than 100.
⁴ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$31,948,000. Of this amount, 84.7 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 654,844, representing 56.2 per cent of the total improved land in farms (1,164,501 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of Massachusetts agriculture is indicated by the fact that only 5.1 per cent of the total value of crops in 1909 was contributed by the cereals, while over one-third (35.3 per cent) was contributed by hay and forage, and one-fourth (25.6 per cent) by potatoes and other vegetables. The remainder, representing in value 34 per cent of the total, consisted mostly of flowers and plants, nursery products, fruits and nuts, and forest products.

The total value of crops in 1909 was 38 per cent greater than that in 1899. This increase was clearly due to higher prices, as the quantity of the most important products decreased. There was a decrease of 10.9 per cent in the total acreage of crops for which acreage was reported, but this was almost wholly due to the decrease in the acreage of hay and forage and of potatoes, all of the other crops of any importance having increased in acreage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The next table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$11,281,000; potatoes, \$1,994,000; corn,

\$1,372,000; tobacco, \$1,218,000. It should be noted, however, that some of the crops reported in the later tables are both absolutely and relatively more important than corn or tobacco.

Of the hay and forage crops, "timothy and clover mixed" has the greatest acreage and by far the greatest value; "other tame or cultivated grasses" ranks second in acreage and third in value; and "timothy alone" ranks third in acreage and second in value. These three classes represent over six-sevenths of the acreage and over four-fifths of the value of all hay and forage.

CROP.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total.....		55,267	2,402,738	Bu...	\$1,617,131
Corn.....	14,755	41,755	2,029,381	Bu...	1,372,144
Oats.....	2,181	7,027	268,500	Bu...	157,881
Wheat, total.....	81	109	2,404	Bu...	2,515
Common winter.....	55	73	1,710	Bu...	1,739
Common spring.....	25	34	672	Bu...	748
Durum or macaroni.....	1	2	22	Bu...	28
Emmer and spelt.....	1	1	6	Bu...	5
Barley.....	197	349	9,021	Bu...	7,177
Buckwheat.....	807	1,630	32,926	Bu...	24,678
Rye.....	1,304	3,476	59,183	Bu...	52,309
Kafir corn and milo maize.....	9	21	1,317	Bu...	835
Other grains and seeds with acreage report, total¹.....		486	5,524	Bu...	13,541
Dry edible beans.....	1,252	446	4,979	Bu...	12,382
Dry peas.....	58	30	480	Bu...	944
Seeds with no acreage report, total².....					4,454
Clover seed.....	2	(³)	59	Bu...	675
Millet seed.....	8	(³)	2,968	Bu...	2,870
Hay and forage, total.....	33,569	519,503	831,955	Tons.	11,280,989
Timothy alone.....	9,945	100,802	153,622	Tons.	2,858,598
Timothy and clover mixed.....	14,302	185,821	240,317	Tons.	4,338,496
Clover alone.....	612	1,020	3,145	Tons.	51,652
Alfalfa.....	96	232	394	Tons.	6,147
Millet or Hungarian grass.....	3,081	6,774	15,276	Tons.	178,510
Other tame or cultivated grasses.....	10,678	155,663	150,723	Tons.	2,244,896
Wild, salt, or prairie grasses.....	2,970	25,290	25,045	Tons.	250,240
Grains cut green.....	6,308	15,622	45,701	Tons.	409,295
Coarse forage.....	4,652	21,342	186,657	Tons.	921,880
Root forage.....	197	137	1,475	Tons.	15,875
Potatoes.....	24,757	24,459	2,946,178	Bu...	1,993,923
Sweet potatoes and yams.....	22	7	548	Bu...	433
Tobacco.....	910	5,521	9,549,806	Lbs...	1,218,000
Sundry minor crops, total.....					960

¹ Includes small amounts of soy beans, peanuts, and broom corn seed.
² Includes small amounts of other varieties of grass seeds, flower and garden seeds, etc.
³ The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Rye.	Hay and forage.	Potatoes.	Tobacco.
1909.....	41,755	7,927	3,476	519,503	24,459	5,521
1899.....	39,131	6,702	4,657	610,023	27,521	3,826
1889.....	34,010	14,331	10,665	627,385	26,873	2,012
1879.....	52,555	20,659	21,666	639,498	31,054	3,358

Between 1879 and 1889 the acreage of corn decreased over one-third; since 1889 there has been an increase, the percentage of gain during the last two decades being 15.1 and 6.7, respectively. The acreage of oats in 1909, though 18.3 per cent greater than in 1899, was only about two-fifths as great as in 1879. Rye had an acreage in 1909 less than one-sixth as great as in 1879, since which time the decrease has been continuous. The acreage of hay and forage has fallen off throughout the 30-year period, the decrease during the last decade, 14.8 per cent, being greater than that during either of the preceding decades shown. The potato acreage has fluctuated somewhat, but is less than at any of the three earlier censuses and represents a loss of more than one-fifth, as compared with 1879. The acreage of tobacco declined 40.1 per cent between 1879 and 1889, but it gained rapidly from that time on, so that in 1909 it was 64.4 per cent greater than in 1879.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres, 1899 to 1909. ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899			
						1909	1909
Corn.....	40.0	38.6	3.6	3.0	6.7	48.6 Bu.	\$32.86
Oats.....	5.9	5.8	0.7	0.5	18.3	33.9 Bu.	19.85
Buckwheat.....	2.3	2.8	0.1	0.2	-27.9	20.2 Bu.	15.14
Rye.....	3.5	4.4	0.3	0.4	-23.7	17.0 Bu.	15.07
Dry edible beans.....	3.4	4.3	(²)	(²)	-29.1	11.2 Bu.	27.76
Hay and forage.....	90.9	90.9	44.6	47.2	-14.8	1.60 Tons.	21.71
Potatoes.....	67.1	72.8	2.1	2.1	-11.1	120.5 Bu.	81.52
Tobacco.....	2.5	2.7	0.5	0.3	44.3	1,729.6 Lbs.	220.62

¹ A minus sign (-) denotes decrease. ² Less than one-tenth of 1 per cent.

Out of every 100 farmers in the state about 91 report hay and forage, 67 report potatoes, 40 report corn, and 6 report oats. The proportions reporting corn and oats have increased slightly, but the proportions reporting the other crops included in the preceding table, with the exception of hay and forage, have decreased. These eight crops cover about 52 per cent of the improved acreage of the state. The hay and forage crop contributes by far the greater share, its acreage being about six times as great as that of the other seven combined.

The average value per acre of the combined cereals is \$29.26. Corn is the only cereal of any importance for which the value per acre exceeded this average. The average value per acre of hay and forage is about three-fourths that of the combined cereals.

About five-eighths of the corn acreage of the state is reported from Hampshire, Worcester, Franklin, and Hampden Counties. More than half of the acreage of hay and forage is reported from Worcester, Berkshire, and Middlesex Counties. Substantially all the tobacco is reported from Hampshire, Franklin, and Hampden Counties.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

CROP.	FARMS REPORTING, 1909		ACRES.		VALUE OF PRODUCTS.	
	Num-ber.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	28,887	78.2	37,220	29,779	\$6,180,857	\$3,745,348
Farms reporting a product of \$500 or over.....	1,961	5.3	17,269	.....	4,277,296	.....
All other farms.....	26,926	72.9	19,951	.....	1,912,561	.....
Flowers and plants, total.....	814	2.2	1,203	584	2,455,407	1,639,760
Farms reporting a product of \$250 or over.....	643	1.7	.....	.....	2,431,659	.....
All other farms.....	171	0.5	.....	.....	23,808	.....
Nursery products, total.....	119	0.3	1,547	894	605,875	200,009
Farms reporting a product of \$250 or over.....	67	0.2	.....	.....	599,256	.....
All other farms.....	52	0.1	.....	.....	6,619	.....

¹ Does not include 276 farms which reported that they had vegetable gardens, but gave no information as to their products.

In 1909 the total acreage of potatoes and other vegetables was 61,686 and their value \$8,184,000. Excluding (so far as reported separately¹) potatoes and sweet potatoes and yams, the acreage of vegetables was 37,220 and their value \$6,190,000, both acreage and value being decidedly greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. While there were in 1909 only 1,961 farms in the first class, they reported nearly half of the total acreage of vegetables and more than two-thirds of the total value, the average acreage of vegetables per farm for these farms being 8.8 and the average value per acre \$248.

The raising of flowers and plants and of nursery products is also relatively important in Massachusetts, 2,750 acres being devoted to it in 1909, and the output being valued at \$3,061,000. Most of the product was

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

raised on a few farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting, 1909	ACRES.		Quantity (quarts), 1909	Value, 1909
		1909	1899		
Small fruits, total.....		9,552	8,346	29,260,143	\$1,676,790
Strawberries.....	4,654	2,015	2,027	5,518,867	495,458
Blackberries and dewberries.....	1,368	287	365	307,987	81,454
Raspberries and loganberries.....	1,506	388	413	379,136	55,757
Currants.....	1,536	243	190	213,810	19,904
Gooseberries.....	330	42	30	57,827	5,007
Cranberries.....	1,350	6,577	5,128	22,714,496	1,062,205
Other berries.....	61		193	71,020	7,025

Cranberries are by all odds the most important of the small fruits grown in Massachusetts, with strawberries ranking next. The total acreage of small fruits in 1909 was 9,552 and in 1899, 8,346, an increase of 14.5 per cent. The production in 1909 was 29,260,000 quarts, as compared with 25,882,000 quarts in 1899, and the value \$1,677,000, as compared with \$1,494,000. The quantity and value of products thus increased somewhat less, relatively, than the acreage.

Orchard fruits, grapes, and nuts: 1909 and 1899.—The following table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is, on the whole, a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

CROP.	TREES OR VINES OF BEARING AGE, 1910		TREES OR VINES NOT OF BEARING AGE, 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. ¹	Value.		Quantity.^{1}
Orchard fruits, total.....		1,698,220		591,796	2,763,679	\$2,074,270	3,158,781
Apples.....	27,937	1,367,370	9,278	355,868	2,550,250	1,780,290	3,023,436
Peaches and nectarines.....	5,038	154,592	3,252	162,114	91,756	138,716	27,906
Pears.....	13,930	113,305	3,535	38,378	96,071	110,069	80,011
Plums and prunes.....	6,057	41,345	2,932	23,871	17,814	28,253	5,919
Cherries.....	3,902	13,390	1,662	0,776	4,761	10,848	6,043
Apricots.....	172	654	89	258	148	326	25
Quinces.....	1,708	7,484	804	4,531	2,863	5,754	(²) (²)
Mulberries.....	2	5			7	14	(²) (²)
Unclassified.....							36,441
Grapes.....	6,003	58,277	1,204	14,281	1,132,838	30,858	1,308,300
Nuts, total.....		46,720		42,030	4134,920	43,671	462,800
Black walnuts.....	280	1,910	41	434	40,064	1,210	(²) (²)
Butternuts.....	268	1,601	21	179	60,151	984	(²) (²)
Hickory nuts.....	188	1,672	20	1,306	23,834	904	(²) (²)
Unclassified.....							3462,800

¹ Expressed in bushels for orchard fruits and pounds for grapes and nuts.
² Included with "unclassified."
³ Consists of products, not separately named by the enumerator, but grouped under the designation "all other."
⁴ Includes chestnuts, almonds, hazelnuts, and beechnuts.

The total quantity of orchard fruits produced in 1909 was 2,764,000 bushels, valued at \$2,074,000. Apples contributed more than nine-tenths of this quantity;

peaches and pears most of the remainder. The production of grapes and nuts was relatively unimportant. The nuts consisted chiefly of black walnuts, butternuts, and hickory nuts.

The value of orchard fruits increased from \$1,171,000 in 1899 to \$2,074,000 in 1909, but that of grapes declined from \$35,685 in 1899 to \$30,858 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING, 1909		QUANTITY PRODUCED.		
	Number.	Per cent of all farms.	Unit.	1909	1899
Cider.....	6,562	17.8	Gals....	1,004,392	1,114,029
Vinegar.....	1,051	4.6	Gals....	133,653	135,482
Wine and grape juice.....	532	1.4	Gals....	12,937	10,269
Dried fruits.....	25	0.1	Lbs....	465	7,630

Sugar crops: 1909 and 1899.—The table below shows data with regard to maple trees and their products, and also for sugar beets and sorghum cane, which in this state are unimportant. The total value of maple sugar and sirup produced in 1909 was \$77,559, as compared with \$48,236 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Number.	Per cent of all farms.		Amount.	Unit.	Value.
Maple sugar and sirup:						
Total, 1909.....	1,525	4.1	250,501			\$77,559
Sugar made.....	442	1.2		150,952	Lbs.	22,277
Sirup made.....	1,467	3.9		58,091	Gals.	55,282
Total, 1899.....	1,000	2.7				48,236
Sugar made.....				192,990	Lbs.	21,124
Sirup made.....				27,174	Gals.	27,112
Sugar beets, 1909 ²	65	0.2	74	742	Tons.	6,269
Sorghum cane, 1909 ³	1	(⁴)	3	30	Tons.	500

¹ Number of trees.
² Used as root forage.
³ Used as coarse forage.
⁴ Less than one-tenth of 1 per cent.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 17,468 farms in Massachusetts (47.3 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,668,410, as compared with \$1,944,714 in 1899, an increase of 37.2 per cent. Of the value in

1909, \$873,125 was reported as that of products used or to be used on the farms themselves, \$1,240,383 as that of products sold or for sale, and \$554,902 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other

purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 313 farmers in Massachusetts sold, during 1909, 1,066 tons of straw, for which they received \$13,416, and that 555 farmers sold 2,042 tons of cornstalks and leaves, for which they received \$13,222.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The following table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899:

EXPENSE.	1909			1899	INCREASE.	
	Farms reporting.		Amount.	Amount.	Amount.	Per cent.
	Number.	Percent of all farms.				
Labor.....	26,758	72.5	\$12,101,959	\$7,487,280	\$4,614,679	61.6
Feed.....	30,500	82.6	10,878,178	(¹)	.....	.....
Fertilizer.....	21,689	58.8	1,965,682	1,320,600	645,082	48.8

¹ Not reported at the census of 1900.

Nearly three-fourths of the farmers hire labor, and the average amount expended by those hiring is \$452. Of the amount thus spent, 18.1 per cent is in the form of rent and board. During the last decade the total expenditure for labor increased \$4,615,000, or 61.6 per cent. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About five farmers out of every six report some expenditure for feed and about three out of every five

report the purchase of fertilizer. The average expenditure for fertilizer per farm reporting is \$91. The total amount paid for this item is about one and one-half times as great as the amount thus spent in 1899.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total.....	.....	.....	.....	.....	\$738,987
Corn.....	316	0.9	30,662	Bu.....	20,026
Oats.....	66	0.2	4,901	Bu.....	3,074
Barley.....	3	(¹)	20	Bu.....	24
Hay and coarse forage.....	4,282	11.6	43,008	Tons...	715,863

¹ Less than one-tenth of 1 per cent.

Whereas more than 30,000 farmers purchased feed during the year 1909, less than 5,000 sold any kind of feed. The total amount expended for feed by those who reported purchases greatly exceeded the receipts from sales by those reporting sales.

COUNTY TABLES.

Tables 1 to 6 which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold and slaughtered for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the crop year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909, and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

Change of boundaries.—In comparing the data secured in 1910 with those for 1900, the following changes in county boundaries should be considered: A part of Hampshire County was annexed to Hampden County in 1909; and a part of Middlesex County was annexed to Norfolk County in 1907. A change in boundary line between Boston city, in Suffolk County, and Cambridge city, in Middlesex County, was made in 1910.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
1	Population.....	3,366,416	27,542	105,259	318,573	4,504	43,600
2	Population in 1900.....	<i>2,805,340</i>	<i>27,320</i>	<i>95,067</i>	<i>252,029</i>	<i>4,561</i>	<i>41,209</i>
3	Number of all farms.....	36,917	864	2,947	3,637	186	2,883
4	Number of all farms in 1900.....	<i>37,715</i>	<i>809</i>	<i>3,436</i>	<i>5,459</i>	<i>212</i>	<i>3,280</i>
5	Color and nativity of farmers:						
6	Native white.....	28,431	734	2,336	2,608	102	2,355
7	Foreign-born white.....	8,362	113	593	1,019	19	544
8	Negro and other nonwhite.....	124	17	18	10	15	7
9	Number of farms, classified by size:						
10	Under 3 acres.....	833	21	16	104	1	158
11	3 to 9 acres.....	4,817	158	277	579	10	434
12	10 to 19 acres.....	4,956	146	225	607	9	474
13	20 to 49 acres.....	8,890	259	407	1,046	26	778
14	50 to 99 acres.....	7,981	142	541	782	33	582
15	100 to 174 acres.....	5,703	77	725	381	27	288
16	175 to 259 acres.....	2,147	29	415	90	12	92
17	260 to 499 acres.....	1,178	23	270	34	10	47
18	500 to 999 acres.....	319	6	53	9	5	24
19	1,000 acres and over.....	93	3	18	5	3	9
LAND AND FARM AREA							
20	Approximate land area..... acres..	5,144,960	261,760	618,240	362,880	68,480	318,080
21	Land in farms..... acres..	2,876,941	49,798	388,353	190,285	19,209	171,893
22	Land in farms in 1900..... acres..	<i>3,147,064</i>	<i>44,263</i>	<i>472,233</i>	<i>196,694</i>	<i>34,133</i>	<i>176,820</i>
23	Improved land in farms..... acres..	1,184,501	17,379	189,703	79,700	4,681	32,067
24	Improved land in farms in 1900..... acres..	<i>1,222,122</i>	<i>16,023</i>	<i>200,034</i>	<i>79,519</i>	<i>14,461</i>	<i>39,271</i>
25	Woodland in farms..... acres..	1,094,553	25,115	140,610	75,938	3,768	54,240
26	Other unimproved land in farms..... acres..	646,887	7,304	32,040	37,681	10,470	35,580
27	Per cent of land area in farms.....	55.9	19.0	62.8	52.4	28.1	54.0
28	Per cent of farm land improved.....	40.5	34.9	41.1	40.3	25.9	47.7
29	Average acres per farm.....	77.9	87.6	131.8	52.3	141.2	59.6
30	Average improved acres per farm.....	31.5	20.1	54.2	21.1	36.6	28.5
VALUE OF FARM PROPERTY							
31	All farm property..... dollars..	226,474,025	4,475,952	19,314,342	17,394,054	662,117	24,978,227
32	All farm property in 1900..... dollars..	<i>182,645,704</i>	<i>2,318,098</i>	<i>16,625,767</i>	<i>13,619,394</i>	<i>861,435</i>	<i>18,211,469</i>
33	Per cent increase, 1900-1910.....	24.0	93.1	16.2	27.4	* 22.2	37.2
34	Land..... dollars..	105,632,616	2,343,456	9,289,704	7,170,917	321,408	12,134,946
35	Land in 1900..... dollars..	<i>86,225,410</i>	<i>1,046,530</i>	<i>7,925,550</i>	<i>6,787,000</i>	<i>426,240</i>	<i>9,265,650</i>
36	Buildings..... dollars..	88,636,149	1,678,769	7,212,563	7,504,486	231,030	9,791,853
37	Buildings in 1900..... dollars..	<i>71,093,880</i>	<i>962,360</i>	<i>6,432,550</i>	<i>6,909,030</i>	<i>314,100</i>	<i>6,607,200</i>
38	Implements and machinery..... dollars..	11,563,894	198,579	853,773	922,906	33,905	1,109,304
39	Implements, etc., in 1900..... dollars..	<i>8,223,950</i>	<i>146,320</i>	<i>675,070</i>	<i>780,510</i>	<i>35,090</i>	<i>918,320</i>
40	Domestic animals, poultry, and bees..... dollars..	* 20,741,366	255,148	1,953,302	1,796,645	76,124	1,882,124
41	Domestic animals, etc., in 1900..... dollars..	<i>15,798,404</i>	<i>173,838</i>	<i>1,554,687</i>	<i>1,222,354</i>	<i>79,005</i>	<i>1,591,616</i>
42	Per cent of value of all property in—						
43	Land.....	46.6	52.4	48.1	41.2	48.5	46.6
44	Buildings.....	39.1	37.5	37.3	43.1	35.0	39.2
45	Implements and machinery.....	5.1	4.4	4.4	5.3	5.0	4.7
46	Domestic animals, poultry, and bees.....	9.2	5.7	10.1	10.3	11.5	7.5
47	Average values:						
48	All property per farm..... dollars..	6,135	5,181	6,554	4,783	4,869	8,604
49	Land and buildings per farm..... dollars..	5,260	4,055	5,600	4,035	4,007	7,000
50	Land per acre..... dollars..	36.69	47.06	23.92	37.69	18.73	70.60
51	Land per acre in 1900..... dollars..	<i>27.62</i>	<i>23.63</i>	<i>16.86</i>	<i>22.57</i>	<i>12.33</i>	<i>52.54</i>
DOMESTIC ANIMALS (farms and ranges)							
52	Farms reporting domestic animals.....	32,099	662	2,675	3,100	133	2,464
53	Value of domestic animals..... dollars..	19,208,712	220,528	1,863,936	1,566,479	69,712	1,736,725
54	Cattle:						
55	Total number.....	252,416	2,281	27,945	17,629	825	20,239
56	Dairy cows.....	171,936	1,598	17,478	13,174	491	15,186
57	Other cows.....	20,100	145	2,075	801	33	1,190
58	Yearling heifers.....	24,687	239	3,263	1,186	112	1,423
59	Calves.....	25,571	178	3,768	1,895	90	1,888
60	Yearling steers and bulls.....	4,374	70	776	193	38	237
61	Other steers and bulls.....	5,388	51	585	380	61	315
62	Value..... dollars..	9,348,076	87,109	849,395	733,058	27,487	805,609
63	Horses:						
64	Total number.....	64,283	947	6,455	5,755	241	5,313
65	Mature horses.....	63,161	943	6,217	5,696	240	5,378
66	Yearling colts.....	948	4	190	48	1	139
67	Spring colts.....	174		48	11		9
68	Value..... dollars..	8,071,997	123,500	901,502	749,703	29,130	810,100
69	Mules:						
70	Total number.....	268		13	11		21
71	Mature mules.....	259		13	11		21
72	Yearling colts.....	5					
73	Spring colts.....	4					
74	Value..... dollars..	43,385		1,060	1,220		4,050
75	Asses and burros:						
76	Number.....	21	1	4	1		2
77	Value..... dollars..	1,777	25	975	25		75
78	Swine:						
79	Total number.....	103,018	1,128	7,012	9,583	302	10,192
80	Mature hogs.....	62,308	622	3,636	5,233	137	6,163
81	Spring pigs.....	40,660	506	3,376	4,350	165	4,029
82	Value..... dollars..	978,939	9,290	64,377	79,949	2,412	110,229
83	Sheep:						
84	Total number.....	32,708	92	9,364	446	3,961	957
85	Rams, ewes, and wethers.....	22,699	80	6,866	285	3,721	673
86	Spring lambs.....	10,009	12	2,498	161	240	314
87	Value..... dollars..	166,498	582	45,319	2,147	10,675	6,401
88	Goats:						
89	Number.....	1,251	7	162	68	4	70
90	Value..... dollars..	7,990	22	1,308	377	8	361
POULTRY AND BEES							
91	Number of poultry of all kinds.....	1,798,380	44,350	121,959	261,792	8,231	158,900
92	Value..... dollars..	1,492,991	33,993	85,470	226,093	6,412	141,314
93	Number of colonies of bees.....	7,464	111	772	706		678
94	Value..... dollars..	39,683	627	3,896	3,473		4,035

* Change of boundary. (See explanation at close of text.)

* Decrease.

AGRICULTURE—MASSACHUSETTS.

759

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Hampden. ¹	Hampshire. ¹	Middlesex. ¹	Nantucket.	Norfolk. ¹	Plymouth.	Suffolk. ¹	Worcester.
1 Population.....	231,369	63,327	609,915	2,962	187,506	144,337	731,388	399,657
2 <i>Population in 1900.....</i>	<i>175,003</i>	<i>53,320</i>	<i>505,008</i>	<i>3,000</i>	<i>151,539</i>	<i>113,985</i>	<i>611,417</i>	<i>345,953</i>
3 Number of all farms.....	2,779	2,917	5,346	24	2,203	2,512	92	7,464
4 <i>Number of all farms in 1900.....</i>	<i>2,539</i>	<i>3,517</i>	<i>4,955</i>	<i>54</i>	<i>2,212</i>	<i>2,533</i>	<i>162</i>	<i>7,550</i>
5 Color and nativity of farmers:								
6 Native white.....	2,095	2,261	3,997	20	1,473	2,078	64	5,746
7 Foreign-born white.....	681	651	1,334	4	719	426	28	1,706
8 Negro and other nonwhite.....	3	5	15	.....	11	8	.....	12
9 Number of farms, classified by size:								
10 Under 3 acres.....	29	11	214	1	106	43	39	73
11 3 to 9 acres.....	306	293	316	.....	354	450	14	802
12 10 to 19 acres.....	325	290	385	.....	392	452	9	879
13 20 to 49 acres.....	614	646	1,318	10	653	792	11	1,744
14 50 to 99 acres.....	593	701	1,152	4	422	440	10	1,576
15 100 to 174 acres.....	552	546	664	4	201	209	4	1,308
16 175 to 259 acres.....	201	244	178	1	40	53	2	479
17 260 to 499 acres.....	113	136	85	2	20	46	3	223
18 500 to 999 acres.....	37	44	30	2	9	11	.....	60
19 1,000 acres and over.....	9	6	4	.....	.....	10	.....	20
LAND AND FARM AREA								
20 Approximate land area..... acres.....	407,040	374,400	532,480	32,640	262,400	432,000	32,640	995,840
21 Land in farms..... acres.....	253,393	270,054	349,034	3,100	104,042	136,015	3,435	615,116
22 <i>Land in farms in 1900.....</i>	<i>228,153</i>	<i>221,024</i>	<i>316,670</i>	<i>4,077</i>	<i>115,053</i>	<i>160,175</i>	<i>4,280</i>	<i>669,388</i>
23 Improved land in farms..... acres.....	109,431	103,271	182,880	1,250	45,990	60,136	2,666	244,330
24 <i>Improved land in farms in 1900.....</i>	<i>121,864</i>	<i>134,180</i>	<i>145,150</i>	<i>2,022</i>	<i>48,521</i>	<i>66,384</i>	<i>3,207</i>	<i>267,733</i>
25 Woodland in farms..... acres.....	90,093	99,496	110,951	266	40,460	70,950	496	220,356
26 Other unimproved land in farms..... acres.....	62,374	73,237	55,803	1,593	17,592	15,769	273	150,430
27 Per cent of land area in farms.....	62.3	73.7	65.7	9.5	39.6	31.7	10.5	61.8
28 Per cent of farm land improved.....	39.6	37.4	52.3	40.2	44.2	36.7	77.6	39.7
29 Average acres per farm.....	91.2	94.6	65.4	129.5	47.2	54.5	37.3	82.4
30 Average improved acres per farm.....	36.1	35.4	34.2	52.1	20.9	20.0	29.0	32.7
VALUE OF FARM PROPERTY								
31 All farm property..... dollars.....	14,515,476	13,054,146	42,459,401	119,851	18,523,930	15,245,614	5,013,132	37,946,139
32 <i>All farm property in 1900.....</i>	<i>11,051,368</i>	<i>12,097,432</i>	<i>36,112,337</i>	<i>161,999</i>	<i>13,039,110</i>	<i>9,569,401</i>	<i>4,630,843</i>	<i>35,515,017</i>
33 Per cent increase, 1900-1910.....	.....	.....	.....	21.2	.....	59.5	.....	13.2
34 Land..... dollars.....	6,551,949	5,465,451	19,355,503	44,850	9,187,227	7,727,746	4,047,619	16,967,437
35 <i>Land in 1900.....</i>	<i>4,327,600</i>	<i>4,835,510</i>	<i>18,286,460</i>	<i>70,460</i>	<i>6,709,190</i>	<i>4,058,370</i>	<i>3,438,500</i>	<i>15,705,590</i>
36 Buildings..... dollars.....	5,755,401	5,777,372	17,538,291	42,050	7,439,958	5,510,237	734,050	14,570,806
37 <i>Buildings in 1900.....</i>	<i>4,468,590</i>	<i>5,149,240</i>	<i>15,080,720</i>	<i>49,160</i>	<i>5,310,710</i>	<i>4,374,780</i>	<i>990,940</i>	<i>12,717,070</i>
38 Implements and machinery..... dollars.....	769,433	871,460	2,162,710	8,850	716,391	760,942	128,054	2,174,204
39 <i>Implements, etc., in 1900.....</i>	<i>651,860</i>	<i>699,040</i>	<i>1,635,010</i>	<i>8,230</i>	<i>560,460</i>	<i>552,160</i>	<i>70,220</i>	<i>1,820,300</i>
40 Domestic animals, poultry, and bees..... dollars.....	1,438,093	1,539,803	3,402,891	22,201	1,199,904	1,245,089	103,409	4,233,642
41 <i>Domestic animals, etc., in 1900.....</i>	<i>1,128,418</i>	<i>1,315,692</i>	<i>2,530,667</i>	<i>24,119</i>	<i>1,058,750</i>	<i>680,211</i>	<i>87,183</i>	<i>3,272,257</i>
42 Per cent of value of all property in—								
43 Land.....	45.1	40.0	45.6	37.4	49.5	50.7	80.7	44.7
44 Buildings.....	39.7	42.3	41.3	35.8	40.2	36.1	14.6	38.4
45 Implements and machinery.....	5.3	6.4	5.1	8.2	3.9	5.0	2.6	5.7
46 Domestic animals, poultry, and bees.....	9.9	11.3	8.0	18.5	6.5	8.2	2.1	11.2
47 Average values:								
48 All property per farm..... dollars.....	5,223	4,681	7,942	4,994	8,409	6,069	54,491	5,084
49 Land and buildings per farm..... dollars.....	4,429	3,654	6,901	3,658	7,538	5,270	51,975	4,225
50 Land per acre..... dollars.....	25.86	19.80	55.30	14.43	38.11	56.44	1,178.35	27.58
51 <i>Land per acre in 1900.....</i>	<i>16.52</i>	<i>15.33</i>	<i>37.75</i>	<i>17.22</i>	<i>33.31</i>	<i>28.33</i>	<i>313.07</i>	<i>23.49</i>
DOMESTIC ANIMALS (farms and ranges)								
52 Farms reporting domestic animals.....	2,458	2,600	4,592	22	1,332	2,013	59	6,671
53 Value of domestic animals..... dollars.....	1,350,321	1,456,877	3,140,232	19,695	1,078,943	1,122,870	100,949	3,961,069
54 Cattle:								
55 Total number.....	18,774	21,951	35,573	411	12,178	9,315	703	61,021
56 Dairy cows.....	11,979	13,943	26,312	265	9,273	6,549	622	40,641
57 Other cows.....	1,698	2,075	2,470	16	702	623	11	5,455
58 Yearling heifers.....	2,003	2,478	2,605	44	823	874	31	6,424
59 Calves.....	2,059	2,458	2,762	71	1,077	922	30	6,047
60 Yearling steers and bulls.....	430	427	416	5	137	224	1	1,171
61 Other steers and bulls.....	605	572	508	10	166	223	8	1,233
62 Value..... dollars.....	631,394	688,618	1,438,975	11,886	535,394	564,976	33,237	2,204,030
63 Horses:								
64 Total number.....	4,733	5,417	9,870	53	3,400	3,673	223	12,687
65 Mature horses.....	4,044	5,314	9,768	53	3,343	3,625	227	12,452
66 Yearling colts.....	77	89	87	.....	44	36	.....	210
67 Spring colts.....	12	14	15	.....	12	1	.....	25
68 Value..... dollars.....	624,981	706,264	1,452,110	6,465	474,537	498,387	40,805	1,579,065
69 Mules:								
70 Total number.....	25	14	47	.....	25	15	1	75
71 Mature mules.....	22	14	47	.....	25	14	1	70
72 Yearling colts.....	1	.....	.....	.....	.....	1	.....	3
73 Spring colts.....	2	.....	.....	.....	.....	.....	.....	2
74 Value..... dollars.....	3,880	1,875	9,250	.....	4,050	3,085	160	12,125
75 Asses and burros:								
76 Number.....	.....	4	2	.....	1	2	.....	4
77 Value..... dollars.....	.....	127	100	.....	25	250	.....	175
78 Swine:								
79 Total number.....	7,687	5,279	26,916	69	6,317	4,978	2,308	15,029
80 Mature hogs.....	5,102	2,914	17,188	22	4,117	2,944	1,180	9,738
81 Spring pigs.....	2,585	2,365	9,728	47	2,200	2,034	1,128	5,291
82 Value..... dollars.....	76,113	49,077	232,703	372	61,655	53,760	26,307	160,933
83 Sheep:								
84 Total number.....	2,267	2,150	1,061	242	314	343	18	2,153
85 Rams, ewes, and wethers.....	1,597	1,354	633	152	203	221	18	1,394
86 Spring lambs.....	670	796	378	90	106	122	.....	759
87 Value..... dollars.....	13,138	10,357	5,804	972	1,688	2,019	200	13,634
88 Goats:								
89 Number.....	113	117	198	.....	267	65	.....	151
90 Value..... dollars.....	817	559	1,290	.....	1,594	413	.....	993
POULTRY AND BEES								
91 Number of poultry of all kinds.....	107,701	111,591	282,071	2,514	130,074	133,341	2,949	329,413
92 Value..... dollars.....	85,838	80,721	256,678	2,506	118,587	120,497	2,345	264,410
93 Number of colonies of bees.....	513	443	1,093	.....	330	689	29	1,508
94 Value..... dollars.....	2,484	2,265	5,981	.....	2,374	3,322	112	8,153

¹ Includes deer, valued at \$10.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE, COLOR,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.	
FARMS OPERATED BY OWNERS								
1	Number of farms.....	32,075	761	2,300	3,098	123	2,342	2,780
2	Number of farms in 1900.....	<i>32,581</i>	<i>749</i>	<i>2,819</i>	<i>2,898</i>	<i>198</i>	<i>2,132</i>	<i>2,857</i>
3	Per cent of all farms.....	86.9	88.1	81.1	85.1	90.4	81.2	89.6
4	Per cent of all farms in 1900.....	<i>86.4</i>	<i>88.6</i>	<i>82.0</i>	<i>83.6</i>	<i>91.0</i>	<i>84.4</i>	<i>90.2</i>
5	Land in farms.....acres.....	2,343,103	40,236	284,165	160,615	14,432	125,820	287,711
6	Improved land in farms.....acres.....	951,621	13,953	117,813	64,074	4,039	62,038	84,620
7	Value of land and buildings.....dollars.....	144,241,398	2,790,750	10,201,147	11,203,123	438,978	13,046,005	8,909,142
Degree of ownership:								
8	Farms consisting of owned land only.....	30,705	690	2,292	2,993	115	2,146	2,635
9	Farms consisting of owned and hired land.....	1,370	71	98	133	8	196	154
Color and nativity of owners:								
10	Native white.....	24,857	648	1,905	2,239	91	1,973	2,338
11	Foreign-born white.....	7,109	97	469	848	18	367	444
12	Negro and other nonwhite.....	109	16	16	9	14	2	7
FARMS OPERATED BY TENANTS								
13	Number of farms.....	2,979	38	324	388	4	202	255
14	Number of farms in 1900.....	<i>5,608</i>	<i>81</i>	<i>448</i>	<i>468</i>	<i>9</i>	<i>538</i>	<i>240</i>
15	Per cent of all farms.....	8.1	4.4	11.0	10.7	2.9	10.1	8.2
16	Per cent of all farms in 1900.....	<i>9.6</i>	<i>5.8</i>	<i>12.9</i>	<i>13.4</i>	<i>4.2</i>	<i>11.5</i>	<i>7.5</i>
17	Land in farms.....acres.....	201,924	2,125	44,572	15,745	405	19,571	15,444
18	Improved land in farms.....acres.....	82,674	1,159	18,783	7,174	200	7,477	4,745
19	Value of land and buildings.....dollars.....	13,181,377	120,175	1,382,555	1,258,875	11,290	1,611,560	404,055
Form of tenancy:								
20	Share tenants.....	214	2	31	12	.....	15	65
21	Share-cash tenants.....	43	.....	3	.....	.....	1	3
22	Cash tenants.....	2,115	28	211	310	2	208	134
23	Tenure not specified.....	607	8	79	58	.....	68	48
Color and nativity of tenants:								
24	Native white.....	2,173	30	253	253	2	231	159
25	Foreign-born white.....	795	7	71	134	1	60	96
26	Negro and other nonwhite.....	11	1	.....	1	1	1	.....
FARMS OPERATED BY MANAGERS								
27	Number of farms.....	1,868	65	233	153	9	240	60
28	Number of farms in 1900.....	<i>1,531</i>	<i>29</i>	<i>174</i>	<i>103</i>	<i>10</i>	<i>122</i>	<i>77</i>
29	Land in farms.....acres.....	330,914	7,437	59,616	13,925	4,372	29,493	11,545
30	Improved land in farms.....acres.....	150,206	2,267	23,107	5,518	652	12,502	3,229
31	Value of land and buildings.....dollars.....	36,745,990	1,102,300	4,918,565	2,213,405	102,820	7,269,144	417,989
MORTGAGE DEBT REPORTS:								
For all farms operated by owners:								
32	Number free from mortgage debt.....	18,768	622	1,412	1,955	109	1,418	1,643
33	Number with mortgage debt.....	13,014	134	968	1,089	14	900	1,140
34	Number with no mortgage report.....	293	5	20	52	.....	24	6
For farms consisting of owned land only:								
35	Number reporting debt and amount.....	12,030	114	868	1,009	13	793	1,026
36	Value of their land and buildings.....dollars.....	49,742,396	398,640	3,501,535	3,432,030	42,150	4,310,188	3,107,416
37	Amount of mortgage debt.....dollars.....	16,371,484	94,462	1,078,050	1,258,020	10,905	1,275,549	1,045,328
38	Per cent of value of land and buildings.....	32.9	23.7	30.8	36.7	25.9	29.6	33.0

¹ Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS AND DOMESTIC

LIVE STOCK PRODUCTS								
Dairy Products								
1	Dairy cows on farms reporting dairy products.....number.....	163,959	1,579	17,109	12,838	475	15,001	18,721
2	Dairy cows on farms reporting milk produced.....number.....	163,967	1,575	16,285	12,632	474	14,733	12,517
3	Milk—Produced.....gallons.....	86,304,347	758,754	7,880,891	7,624,529	179,531	8,561,954	5,519,157
4	Sold.....gallons.....	64,496,692	548,851	3,405,899	6,850,867	125,580	7,637,674	2,632,701
5	Cream sold.....gallons.....	501,876	647	136,260	11,451	1,380	14,812	97,865
6	Butter fat sold.....pounds.....	1,148,019	.....	183,604	.....	.....	200	394,079
7	Butter—Produced.....pounds.....	3,364,516	24,230	978,576	50,204	6,576	68,878	585,809
8	Sold.....pounds.....	2,220,311	10,836	723,108	16,405	3,015	33,204	458,020
9	Cheese—Produced.....pounds.....	45,753	.....	4,840	10,602	.....	1,625	2,300
10	Sold.....pounds.....	32,490	.....	3,530	9,752	.....	1,600	2,050
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	15,187,774	149,831	1,057,903	1,545,713	37,562	1,781,364	805,886
12	Receipts from sale of dairy products.....dollars.....	14,840,927	145,687	980,679	1,535,369	30,439	1,770,294	760,751
Poultry Products								
13	Poultry—Raised.....number.....	2,974,619	102,761	184,216	496,285	8,710	252,458	135,523
14	Sold.....number.....	1,536,472	74,374	71,079	296,979	6,266	134,211	66,801
15	Eggs—Produced.....dozens.....	13,395,540	367,774	794,774	1,933,992	55,075	1,253,201	719,582
16	Sold.....dozens.....	9,614,504	277,454	497,142	1,607,771	40,195	901,400	515,493
17	Value of poultry and eggs produced.....dollars.....	6,238,999	188,062	333,754	970,344	22,990	583,128	276,007
18	Receipts from sale of poultry and eggs.....dollars.....	4,202,584	141,744	190,269	741,965	29,508	394,455	184,557
Honey and Wax								
19	Honey produced.....pounds.....	96,802	1,197	11,569	5,838	.....	7,553	11,591
20	Wax produced.....pounds.....	1,019	10	128	100	.....	61	81
21	Value of honey and wax produced.....dollars.....	19,176	211	2,207	1,199	.....	1,692	2,213
Wool, Mohair, and Goat Hair								
22	Wool, fleeces shorn.....number.....	19,235	10	5,200	160	2,873	408	5,825
23	Mohair and goat hair, fleeces shorn.....number.....	536	.....	132	25	.....	5	29
24	Value of wool and mohair produced.....dollars.....	30,425	18	7,880	257	3,891	629	9,642
DOMESTIC ANIMALS SOLD AND SLAUGHTERED								
25	Calves—Sold or slaughtered.....number.....	109,673	453	8,514	8,090	150	8,813	9,397
26	Other cattle—Sold or slaughtered.....number.....	95,182	375	8,721	6,787	149	8,770	10,656
27	Horses, mules, and asses and burros—Sold.....number.....	5,980	66	489	399	8	754	548
28	Pigs—Sold or slaughtered.....number.....	91,684	1,211	8,830	7,785	219	6,482	10,165
29	Sheep and goats—Sold or slaughtered.....number.....	9,264	10	2,729	106	251	422	3,244
30	Receipts from sale of animals.....dollars.....	5,014,442	24,746	328,695	410,335	5,892	472,484	538,133
31	Value of animals slaughtered.....dollars.....	1,066,088	14,512	131,368	60,432	2,996	108,306	112,840

AGRICULTURE—MASSACHUSETTS.

AND NATIVITY OF FARMERS, AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Hampden. ¹	Hampshire. ¹	Middlesex. ¹	Nantucket.	Norfolk. ¹	Plymouth.	Suffolk. ¹	Worcester.	
FARMS OPERATED BY OWNERS									
1	Number of farms.....	2,451	2,684	4,605	22	1,881	2,260	55	0,616
2	Number of farms in 1900.....	<i>2,806</i>	<i>2,809</i>	<i>4,203</i>	<i>47</i>	<i>1,839</i>	<i>2,268</i>	<i>104</i>	<i>6,515</i>
3	Per cent of all farms.....	88.2	92.0	86.1	91.7	85.4	90.0	59.8	88.6
4	Per cent of all farms in 1900.....	<i>89.0</i>	<i>91.2</i>	<i>84.8</i>	<i>87.0</i>	<i>85.1</i>	<i>89.3</i>	<i>64.2</i>	<i>86.3</i>
5	Land in farms.....acres.....	212,259	248,422	254,700	2,659	81,184	111,757	1,128	518,006
6	Improved land in farms.....acres.....	84,927	94,586	117,849	1,100	35,697	41,601	989	208,285
7	Value of land and buildings.....dollars.....	10,011,858	10,128,060	28,751,768	80,800	11,942,943	10,197,142	1,342,656	25,196,936
Degree of ownership:									
8	Farms consisting of owned land only.....	2,388	2,560	4,403	22	1,825	2,153	47	6,466
9	Farms consisting of owned and hired land.....	63	124	202	.....	56	107	8	150
Color and nativity of owners:									
10	Native white.....	1,835	2,063	3,477	18	1,266	1,872	41	5,091
11	Foreign-born white.....	614	610	1,117	4	606	360	14	1,515
12	Negro and other nonwhite.....	2	5	11	.....	9	8	.....	10
FARMS OPERATED BY TENANTS									
13	Number of farms.....	229	154	440	2	172	136	17	528
14	Number of farms in 1900.....	<i>287</i>	<i>226</i>	<i>436</i>	<i>7</i>	<i>241</i>	<i>169</i>	<i>43</i>	<i>687</i>
15	Per cent of all farms.....	8.2	5.3	8.2	8.3	7.8	5.4	18.5	7.1
16	Per cent of all farms in 1900.....	<i>8.8</i>	<i>6.4</i>	<i>8.8</i>	<i>15.0</i>	<i>10.9</i>	<i>6.1</i>	<i>26.5</i>	<i>9.1</i>
17	Land in farms.....acres.....	18,775	14,551	20,024	450	7,744	5,559	303	36,656
18	Improved land in farms.....acres.....	7,648	4,499	9,798	160	3,718	2,380	272	14,581
19	Value of land and buildings.....dollars.....	928,096	511,600	2,577,621	7,000	901,925	494,095	999,071	1,903,659
Form of tenancy:									
20	Share tenants.....	21	15	17	.....	2	16	.....	18
21	Share-cash tenants.....	9	8	5	.....	2	1	.....	4
22	Cash tenants.....	159	108	325	2	126	68	8	420
23	Tenure not specified.....	40	23	93	.....	42	51	9	86
Color and nativity of tenants:									
24	Native white.....	178	129	298	2	117	110	10	401
25	Foreign-born white.....	51	25	139	.....	53	26	7	125
26	Negro and other nonwhite.....	.....	.....	3	.....	2	.....	.....	2
FARMS OPERATED BY MANAGERS									
27	Number of farms.....	99	79	301	.....	150	116	20	320
28	Number of farms in 1900.....	<i>87</i>	<i>82</i>	<i>266</i>	.....	<i>132</i>	<i>116</i>	<i>15</i>	<i>348</i>
29	Land in farms.....acres.....	22,304	18,081	74,910	.....	15,114	19,599	2,004	60,454
30	Improved land in farms.....acres.....	7,856	4,186	55,233	.....	6,675	6,215	1,405	21,464
31	Value of land and buildings.....dollars.....	1,367,396	603,163	5,504,505	.....	3,762,317	2,546,746	2,430,942	4,437,698
MORTGAGE DEBT REPORTS²									
For all farms operated by owners:									
32	Number free from mortgage debt.....	1,389	1,451	2,594	16	985	1,463	20	3,682
33	Number with mortgage debt.....	1,049	1,227	1,961	6	853	775	13	2,895
34	Number with no mortgage report.....	13	6	50	.....	43	22	13	39
For farms consisting of owned land only:									
35	Number reporting debt and amount.....	993	1,147	1,795	6	808	712	10	2,736
36	Value of their land and buildings.....dollars.....	3,888,360	4,424,215	9,990,500	18,000	3,936,417	2,816,270	303,950	9,512,665
37	Amount of mortgage debt.....dollars.....	1,260,371	1,469,641	3,262,137	5,100	1,810,578	890,216	50,500	3,304,597
38	Per cent of value of land and buildings.....	32.4	33.2	32.7	28.3	33.3	31.6	16.6	35.3

² No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

ANIMALS SOLD AND SLAUGHTERED, BY COUNTIES: 1909.

LIVE STOCK PRODUCTS									
Dairy Products									
1	Dairy cows on farms reporting dairy products.....number.....	11,771	13,791	26,318	260	9,057	6,417	620	40,002
2	Dairy cows on farms reporting milk produced.....number.....	11,642	12,988	20,032	200	8,970	6,180	612	39,017
3	Milk—Produced.....gallons.....	5,586,730	5,923,940	14,786,509	89,135	5,505,193	3,317,865	500,701	20,119,458
4	Sold.....gallons.....	3,562,809	3,242,260	12,808,138	69,764	4,592,126	2,745,593	439,718	15,806,216
5	Cream sold.....gallons.....	16,359	67,730	29,520	348	10,110	20,391	335	98,659
6	Butter fat sold.....pounds.....	81,305	475,026	.....	.....	900	.....	.....	12,905
7	Butter—Produced.....pounds.....	388,141	272,149	136,784	3,717	50,760	52,370	4,910	741,322
8	Sold.....pounds.....	282,173	136,800	53,938	2,037	11,901	11,734	.....	477,140
9	Cheese—Produced.....pounds.....	4,100	3,090	3,085	.....	7,350	620	.....	8,141
10	Sold.....pounds.....	3,460	2,222	2,080	.....	5,650	.....	.....	2,146
11	Value of products, excluding home use of milk and cream.....dollars.....	776,211	856,617	2,842,259	20,163	1,116,963	750,088	112,376	3,334,833
12	Receipts from sale of dairy products.....dollars.....	744,403	816,716	2,815,988	19,539	1,104,910	737,271	111,224	3,262,657
Poultry Products									
13	Poultry—Raised.....number.....	161,104	162,243	435,392	5,433	253,577	279,167	4,127	493,603
14	Sold.....number.....	68,388	81,843	212,336	3,656	159,799	173,229	2,038	244,874
15	Eggs—Produced.....dozens.....	784,486	779,036	2,083,026	15,745	936,168	1,045,009	29,315	2,508,854
16	Sold.....dozens.....	534,449	537,284	1,480,278	13,250	666,127	749,857	8,420	1,788,406
17	Value of poultry and eggs produced.....dollars.....	348,180	320,308	977,225	9,688	528,035	562,519	15,445	1,112,204
18	Receipts from sale of poultry and eggs.....dollars.....	208,397	205,074	628,007	7,037	353,049	389,633	5,427	723,522
Honey and Wax									
19	Honey produced.....pounds.....	8,502	6,611	8,143	.....	3,654	9,107	566	22,471
20	Wax produced.....pounds.....	88	55	133	.....	33	57	.....	273
21	Value of honey and wax produced.....dollars.....	1,631	1,323	1,670	.....	762	1,689	137	4,442
Wool, Mohair, and Goat Hair									
22	Wool, fleeces shorn.....number.....	1,468	1,368	576	120	120	70	18	1,029
23	Mohair and goat hair, fleeces shorn.....number.....	77	77	47	.....	78	7	.....	59
24	Value of wool and mohair produced.....dollars.....	2,419	2,186	1,126	120	327	135	18	1,777
DOMESTIC ANIMALS SOLD AND SLAUGHTERED									
25	Calves—Sold or slaughtered.....number.....	7,659	8,887	17,576	50	5,925	3,543	126	29,876
26	Other cattle—Sold or slaughtered.....number.....	5,332	7,753	15,516	23	7,038	2,971	285	20,756
27	Horses, mules, and asses and burros—Sold.....number.....	317	552	1,234	2	332	332	2	947
28	Pigs—Sold or slaughtered.....number.....	6,165	7,168	20,563	22	5,159	2,818	524	14,573
29	Sheep and goats—Sold or slaughtered.....number.....	289	852	463	75	80	62	.....	681
30	Receipts from sale of animals.....dollars.....	275,794	390,627	937,051	1,510	378,722	197,218	15,351	1,037,884
31	Value of animals slaughtered.....dollars.....	85,342	99,965	108,620	207	29,516	37,875	6,332	207,727

AGRICULTURE—MASSACHUSETTS.

763

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

		Hampden.	Hampshire.	Middlesex.	Nantucket.	Norfolk.	Plymouth.	Suffolk.	Worcester.	
VALUE OF ALL CROPS										
1	Total.....	dollars.. 2,342,710	2,837,923	6,472,399	22,001	1,514,821	2,069,624	366,392	5,474,650	
2	Cereals.....	dollars.. 183,476	255,620	158,712	1,449	30,252	48,326	715	267,218	
3	Other grains and seeds.....	dollars.. 1,694	1,713	.....	.....	625	697	70	3,075
4	Hay and forage.....	dollars.. 778,831	900,940	1,672,455	11,588	534,647	503,956	32,000	2,689,639	
5	Vegetables.....	dollars.. 552,291	596,542	2,435,695	8,544	331,960	378,791	139,853	1,016,687	
6	Fruits and nuts.....	dollars.. 192,713	167,968	695,614	170	101,256	723,059	9,349	580,759	
7	All other crops.....	dollars.. 633,705	915,140	1,508,752	250	516,072	414,795	184,405	920,242	
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total.....	acres.. 7,529	8,368	4,436	57	934	1,511	19	8,215	
10	Corn.....	bushels.. 269,610	365,139	246,172	2,333	42,312	63,159	1,365	403,044	
11	Oats.....	acres.. 5,717	7,402	3,844	44	789	1,351	13	6,732	
12	Wheat.....	bushels.. 240,403	346,940	222,964	1,988	39,200	59,547	945	356,598	
13	Barley.....	acres.. 461	255	272	10	87	48	5	1,061	
14	Buckwheat.....	bushels.. 12,270	7,591	9,451	300	1,664	1,702	400	38,023	
15	Rye.....	acres.. 10	3	6	.....	6	5	.....	8
16	.....	bushels.. 157	45	257	.....	141	123	.....	280
17	.....	acres.. 32	20	30	.....	2	2	.....	75
18	.....	bushels.. 818	607	885	.....	56	75	.....	1,413
19	.....	acres.. 253	147	30	.....	4	7	.....	88
20	.....	bushels.. 3,865	2,921	512	.....	98	121	.....	1,503
21	.....	acres.. 1,052	539	254	3	76	98	1	240
22	.....	bushels.. 11,947	7,026	12,078	45	1,093	1,591	20	4,820
23	Other grains and seeds:									
24	Dry peas.....	acres.. 8	3	.....	.....	.....	5	.....	8
25	Dry edible beans.....	bushels.. 108	30	11	.....	10	55	10	177
26	.....	acres.. 20	19	26	.....	27	12	2	54
27	.....	bushels.. 445	593	322	.....	186	203	36	1,067
28	Hay and forage:									
29	Total.....	acres.. 38,541	46,699	66,151	503	19,592	18,381	1,908	116,839	
30	All tame or cultivated grasses.....	tons.. 66,810	69,531	120,036	872	38,920	32,226	2,483	196,742	
31	Timothy alone.....	acres.. 35,342	43,095	55,130	450	16,255	15,806	904	103,555	
32	Timothy and clover mixed.....	tons.. 42,477	62,030	77,437	566	23,448	22,931	1,387	130,830	
33	Clover alone.....	acres.. 8,369	6,231	20,593	10	0,154	4,908	388	23,757	
34	Alfalfa.....	tons.. 12,191	9,104	30,382	25	9,054	7,451	627	53,021	
35	Millet or Hungarian grass.....	acres.. 9,975	13,772	22,056	23	6,775	6,018	417	40,221	
36	.....	tons.. 13,935	25,579	31,474	33	9,877	8,892	608	63,053
37	.....	acres.. 166	105	131	.....	35	70	.....	367
38	.....	tons.. 238	179	253	.....	62	135	.....	67
39	.....	acres.. 35	10	21	.....	5	4	.....	80
40	.....	tons.. 51	27	47	.....	8	2	.....	2
41	.....	acres.. 453	535	1,095	.....	402	323	2	1,923
42	.....	tons.. 745	1,201	2,303	.....	1,167	966	6	4,647
43	.....	acres.. 16,339	17,442	11,240	417	2,824	4,485	99	28,206
44	.....	tons.. 15,317	16,540	12,888	508	3,280	5,513	140	29,429
45	Wild, salt, or prairie grasses.....	acres.. 851	1,183	5,264	1	1,193	1,245	35	3,049	
46	Grains out green.....	tons.. 941	1,062	5,797	2	1,319	1,350	33	2,957	
47	Coarse forage.....	acres.. 1,081	887	2,141	46	848	689	24	4,850	
48	.....	tons.. 3,048	2,248	9,054	82	2,844	1,792	155	12,380
49	.....	acres.. 1,228	1,529	3,509	6	1,289	731	243	5,363
50	.....	tons.. 10,255	13,554	27,651	22	11,158	5,909	886	50,263
51	.....	acres.. 39	5	11	.....	15	10	2	17
52	.....	tons.. 89	37	127	.....	171	184	22	312
53	Special crops:									
54	Potatoes.....	acres.. 2,848	2,470	2,624	24	1,050	1,310	37	4,395	
55	All other vegetables.....	bushels.. 333,459	327,790	314,624	3,185	110,270	153,103	5,891	497,236	
56	Tobacco.....	acres.. 2,564	2,153	10,515	47	2,022	1,993	764	4,656	
57	Maple trees.....	acres.. 1,118	2,767	1	.....	.....	.....	.....	487
58	Maple sugar (made).....	pounds.. 1,852,773	5,035,454	320	.....	.....	35	.....	4,674
59	Maple sirup (made).....	number.. 24,421	86,965	129	.....	21	.....	.....	638
60	.....	pounds.. 23,410	65,311	.....	.....	.....	.....	.....	1,030
61	.....	gallons.. 4,438	14,215	68	.....	7	.....	.....	.....
62	FRUITS AND NUTS									
63	Orchard fruits:									
64	Total.....	trees.. 150,650	119,249	356,059	.....	58,029	46,880	5,522	410,195
65	Apples.....	bushels.. 210,343	197,756	675,134	.....	67,429	43,924	5,663	643,252
66	Peaches and nectarines.....	trees.. 115,264	100,785	293,812	.....	39,984	32,180	2,257	331,460
67	Pears.....	bushels.. 183,012	186,512	632,853	.....	56,622	37,377	2,519	595,340
68	Plums and prunes.....	trees.. 20,227	8,337	27,449	.....	8,746	6,224	190	37,835
69	Cherries.....	bushels.. 21,060	5,369	16,047	.....	5,452	1,543	165	21,027
70	.....	trees.. 4,706	5,276	23,934	.....	5,670	5,312	2,930	27,701
71	.....	bushels.. 4,157	4,328	21,469	.....	4,174	3,862	2,912	21,779
72	.....	trees.. 3,129	3,263	6,701	.....	2,336	2,250	26	8,593
73	.....	bushels.. 1,599	1,096	2,375	.....	815	899	2	3,826
74	.....	trees.. 1,075	978	2,606	.....	740	471	32	3,016
75	.....	bushels.. 368	270	1,007	.....	191	124	14	768
76	Grapes.....	vines.. 2,593	4,939	10,887	.....	4,296	11,809	25	12,950
77	.....	pounds.. 55,513	83,956	188,742	.....	94,557	124,248	1,628	279,945
78	Small fruits:									
79	Total.....	acres.. 225	163	852	1	310	3,368	19	539	
80	Strawberries.....	quarts.. 411,503	386,553	1,901,479	2,764	427,585	12,700,904	15,480	790,469	
81	Raspberries and loganberries.....	acres.. 134	86	432	1	150	214	8	237	
82	.....	quarts.. 285,624	158,028	1,516,467	2,572	235,707	559,835	9,181	538,289
83	.....	acres.. 31	20	82	.....	55	27	4	45
84	.....	quarts.. 30,766	24,864	108,228	.....	23,878	26,124	386	51,595
85	.....	acres.. 14	14	204	.....	52	6,038	.....	110
86	.....	quarts.. 17,064	137,120	133,664	192	138,304	12,085,728	.....	74,048
87	Nuts.....	trees.. 641	940	414	.....	100	117	.....	2,369
88	.....	pounds.. 14,338	20,382	16,460	.....	2,902	653	.....	34,810

AND RECEIPTS, BY COUNTIES: 1909.

1	Labor.....	Farms reporting.....	1,918	2,117	3,958	20	1,521	1,766	75	5,035
2	.....	Cash expended.....	dollars.. 505,283	538,928	2,332,992	5,319	700,896	834,559	242,806	1,435,810
3	.....	Rent and board furnished.....	dollars.. 134,936	128,031	484,080	2,150	168,326	102,032	30,010	407,070
4	Fertilizer.....	Farms reporting.....	1,636	2,105	3,166	18	1,118	1,480	57	4,263
5	.....	Amount expended.....	dollars.. 154,343	312,127	394,202	1,289	93,505	93,614	16,669	245,921
6	Feed.....	Farms reporting.....	2,230	2,373	4,496	20	1,821	1,970	54	6,230
7	.....	Amount expended.....	dollars.. 515,286	588,292	2,118,457	10,350	861,310	748,155	67,589	2,073,703
8	Receipts from sale of feedable crops.....	dollars.. 49,639	61,665	93,161	290	29,391	20,221	2,095	128,230	

AGRICULTURE—MASSACHUSETTS.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES, APRIL 15, 1910.

		THE STATE.	Barnstable.	Berkshire.	Bristol.	Dukes.	Essex.	Franklin.
1	Inclusures reporting domestic animals.....	43,063	1,707	2,205	3,866	251	5,825	965
2	Value of all domestic animals.....dollars..	20,482,394	334,601	671,481	1,462,801	64,700	2,704,799	239,877
Cattle:								
3	Total number.....	19,896	1,134	1,173	1,442	227	2,358	477
4	Value.....dollars..	875,189	45,109	45,392	62,794	7,592	99,077	16,567
5	Number of dairy cows.....	16,082	892	1,003	1,195	155	1,919	376
Horses:								
6	Total number.....	115,186	2,202	4,159	9,434	388	14,862	1,639
7	Value.....dollars..	19,423,642	280,510	621,385	1,360,271	42,595	2,575,052	217,382
8	Number of mature horses.....	114,944	2,196	4,147	9,411	387	14,841	1,627
Mules and asses and burros:								
9	Total number.....	307	12	7	8	7	61	8
10	Value.....dollars..	46,365	2,360	825	725	1,025	9,390	1,000
11	Number of mature mules.....	269	11	6	7	5	57	8
Swine:								
12	Total number.....	12,010	594	364	975	210	2,026	348
13	Value.....dollars..	113,577	6,432	3,234	8,338	1,964	19,266	3,838
Sheep and goats:								
14	Total number.....	4,972	26	123	87	3,277	190	218
15	Value.....dollars..	23,621	190	645	673	11,524	1,414	1,040

		Hampden.	Hampshire.	Middlesex.	Nantucket.	Norfolk.	Plymouth.	Suffolk.	Worcester.
1	Inclusures reporting domestic animals.....	2,737	1,180	8,146	63	3,654	3,573	2,899	5,902
2	Value of all domestic animals.....dollars..	1,197,966	328,721	3,918,079	42,838	1,463,026	1,012,718	5,092,634	1,947,253
Cattle:									
3	Total number.....	939	708	3,676	149	2,134	2,456	728	2,295
4	Value.....dollars..	41,959	23,658	195,257	5,249	103,110	101,251	41,376	86,198
5	Number of dairy cows.....	710	482	3,094	88	1,595	1,903	676	1,685
Horses:									
6	Total number.....	6,693	2,075	22,432	193	7,568	6,423	24,517	12,001
7	Value.....dollars..	1,140,967	300,242	3,693,204	36,800	1,348,297	893,037	5,048,180	1,840,630
8	Number of mature horses.....	6,671	2,063	22,395	193	7,545	6,405	24,506	12,557
Mules and asses and burros:									
9	Total number.....	34	12	45	.....	15	36	34	28
10	Value.....dollars..	6,900	1,180	6,780	.....	1,790	5,627	5,178	3,585
11	Number of mature mules.....	31	9	37	.....	13	34	34	17
Swine:									
12	Total number.....	714	483	2,096	60	975	1,391	89	1,685
13	Value.....dollars..	6,795	3,453	19,949	781	9,136	12,206	1,708	16,427
Sheep and goats:									
14	Total number.....	72	22	347	1	258	85	212	54
15	Value.....dollars..	1,345	188	2,799	8	1,593	597	1,192	413

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MICHIGAN, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

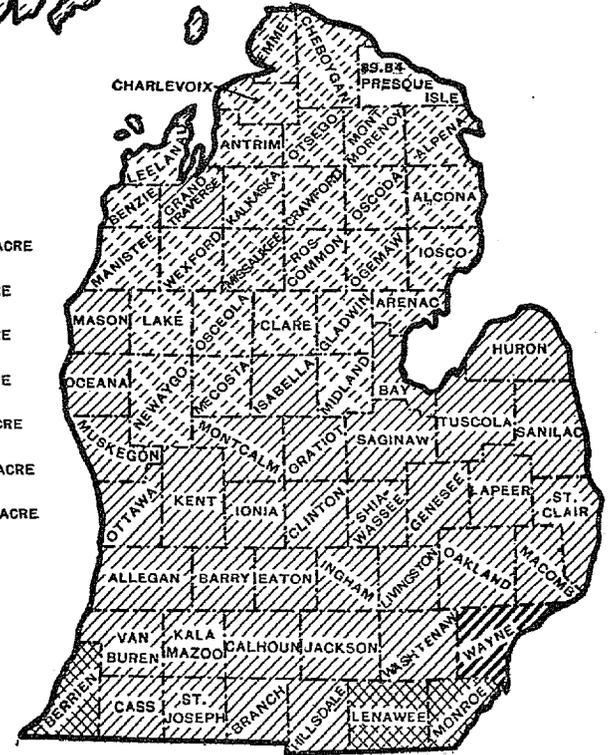
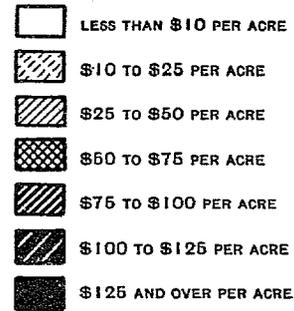
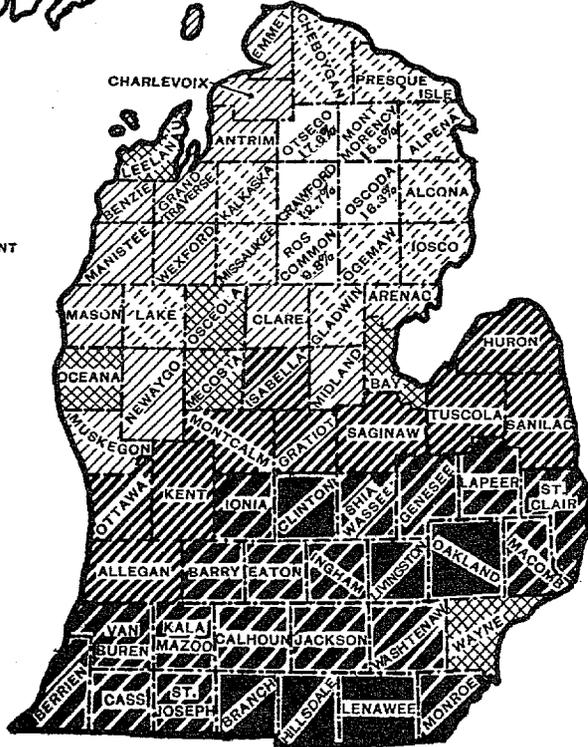
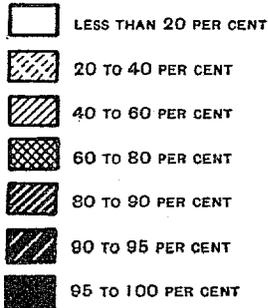
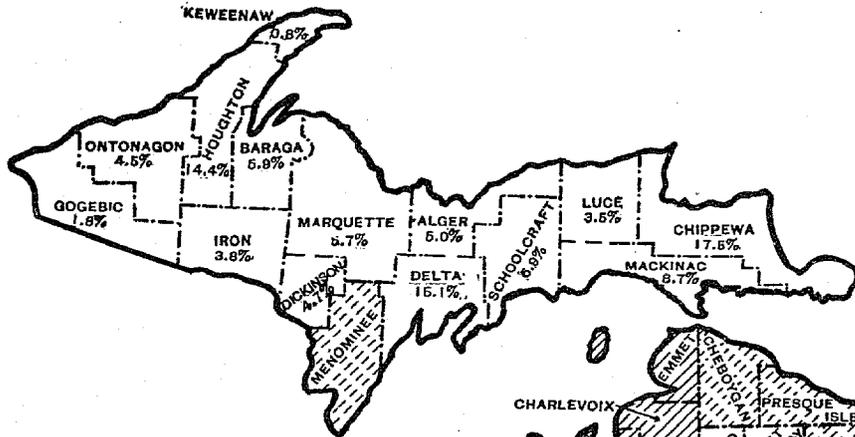
[Per cent for the state, 51.5.]

The per cent of land area in farms, when less than 20, is inserted under the county name.

AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$32.48.]

When the value is less than \$10 per acre, it is inserted under the county name.



(788)

MICHIGAN.

FARMS AND FARM PROPERTY.

Michigan ranks twenty-first in land area and eighth in population among the states and territories of continental United States. The entire area of the state has been glaciated, and glacial deposits ranging from a few feet to 200 or 300 feet in thickness cover the greater portion of the southern peninsula. The northern peninsula has less glacial deposit. The most usual soils of the southern peninsula consist of yellow, brown, and gray loams, with sandy loams in the region of the glacial moraines and till plains, although extensive areas of sands and gravels occupy the valleys even in this region. The topography is rolling to ridged and the drainage is fairly well established, although numerous small lakes and ponds, together with sluggish stream channels, are frequently bordered by swampy areas. The soils of the south central and southwestern parts of the state are well suited to the production of corn, winter wheat, oats, and grass, while in the vicinity of the lakes much soil is especially suited to the production of sugar beets. In the northern part of the lower peninsula, and in a limited portion of the upper peninsula, are soils well suited to the production of Irish potatoes, buckwheat, rye, and clover. On the drained swamp lands along the margins of lakes and rivers are many acres used for growing sugar beets, celery, onions, and cabbages.

The two maps on the opposite page show by counties the proportion of the total land area which is in farms and the average value of farm land per acre. More than half of the state's land surface is included in

farms. In the upper peninsula, however, no county, except Menominee, has as much as 20 per cent of its land in farms, and five counties grouped in the northern part of the lower peninsula fall in the same class. This group is surrounded by counties that have one-fifth to three-fifths of their land in farms. Farther south is a belt in which over four-fifths of the land is in farms, and south of this is a group of counties in which the proportion exceeds nine-tenths.

The average value of farm land per acre for the state is \$32.48. The second map shows that the average value per acre falls between \$10 and \$25 in almost every county of the upper peninsula and of the north half of the lower peninsula. The remaining counties fall in the "\$25 to \$50 per acre" class, excepting four counties in the extreme southern part of the state which rise above the \$50 mark, and one county in the northern part of the lower peninsula in which the average value per acre is a little less than \$10.

Progress during the decade 1900 to 1910.—During the last decade the population of the state increased 389,191, or 16.1 per cent; the number of farms, 3,699, or 1.8 per cent; the land in farms, 1,378,916 acres, or 7.9 per cent; while the improved land in farms increased 1,032,828 acres, or 8.8 per cent. During this period the average size of farms increased by more than 5 acres.

The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE.	
			Amount.	Per cent.
Population.....	2,810,173	2,420,982	389,191	16.1
Number of all farms.....	206,960	203,261	3,699	1.8
Approximate land area of the state..... acres..	36,787,200	36,787,200	.....	.....
Land in farms..... acres..	18,940,614	17,561,698	1,378,916	7.9
Improved land in farms..... acres..	12,832,078	11,799,250	1,032,828	8.8
Average acres per farm.....	91.5	86.4	5.1	5.9
Value of farm property:				
Total.....	\$1,088,858,379	\$690,355,734	\$398,502,645	57.7
Land.....	615,258,348	423,569,950	191,688,398	45.3
Buildings.....	285,879,951	158,947,760	126,932,191	79.9
Implements and machinery.....	49,916,285	28,795,380	21,120,905	78.3
Domestic animals, poultry, and bees.....	137,803,795	79,042,644	58,761,151	74.3
Average value of all property per farm.....	\$5,261	\$3,396	\$1,865	54.9
Average value of land per acre.....	\$32.48	\$24.12	\$8.36	34.7

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), increased in value during the decade nearly \$400,000,000, or 57.7 per cent.

This great increase is made up of increases of nearly \$192,000,000 in the value of land, and of almost \$127,000,000 in the value of buildings. There is also an increase of nearly \$80,000,000 in the value of farm

equipment, which include implements and machinery and live stock, of which nearly three-fourths represents the increase in the value of live stock, and the remainder the increase in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$3,396, while 10 years later it was \$5,261. The average value of land rose from \$24.12 per acre in 1900 to \$32.48 in 1910, or 34.7 per cent. This advance in land was accompanied by relatively much greater increases in the average value per farm of buildings, implements and machinery, and live stock.

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Population.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land improved.
		Number.	Per cent of increase.	All land.		Improved land (acres).			
				Acres.	Per cent of increase.				
1910....	2,810,173	206,960	1.8	18,940,614	7.9	12,832,078	51.5	67.8	
1900....	2,420,982	203,261	17.9	17,601,698	18.8	11,799,250	47.7	67.2	
1890....	2,098,890	172,844	11.9	14,785,636	7.1	9,895,350	40.2	66.7	
1880....	1,636,987	154,008	55.9	13,807,240	37.8	8,296,862	37.5	60.1	
1870....	1,184,059	98,786	53.3	10,019,142	42.5	5,096,939	27.2	50.9	
1860....	749,113	62,422	83.1	7,030,834	60.4	3,476,296	19.1	49.4	
1850....	397,654	34,089	.....	4,383,890	.....	1,929,110	11.9	44.0

The population of the state is 2,810,173, or more than seven times as great as in 1850. The increases have been remarkably uniform throughout the period.

There are 206,960 farms in Michigan, or over six times as many as in 1850. This increase was very rapid from 1850 to 1880, averaging 3,997 farms per year. During the next 20 years the increase was on the average 2,463 per year; but during the decade just past the average increase has been only 370 per year, or 1.8 per cent for the decade. This last increase is concentrated in the northern part of the state, while many southern counties show decreases.

The land surface of Michigan is approximately 36,787,200 acres. Of this area, 18,940,614 acres, or 51.5 per cent, are included in farms. The total farm acreage increased 7.9 per cent during the last decade. Of the farm acreage, 12,832,078 acres, or 67.8 per cent, are reported as improved land, representing 34.9 per cent of the total land area of the state. The reported acreage of improved land increased from 1900 to 1910 by a greater percentage than did the total acreage in farms, the percentage of farm land which is improved being slightly higher in 1910 than in 1900.

The preceding table shows also a rapid increase from 1850 to 1880 in the total farm acreage and in the acreage of improved land. The proportion of the total land area of the state which was occupied by farms rose during this period from 11.9 to 37.5 per cent, while the improved land increased from 44 to 60.1 per cent of the total land in farms. Since 1880 the increase in the total farm acreage has been much slower, and since 1890 the proportion of farm land improved has risen only slightly.

Values of farm property: 1850 to 1910.—The agricultural changes in Michigan since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1910.....	\$1,088,858,379	57.7	\$901,138,299	54.7	\$40,910,285	73.3	\$137,803,795	74.3
1900.....	690,855,734	6.5	582,517,710	4.7	28,795,380	20.8	70,042,644	13.0
1890.....	647,938,255	12.8	550,190,670	11.4	22,182,000	14.2	69,564,986	24.8
1880.....	574,242,654	55.4	499,103,181	50.7	19,419,300	77.0	55,720,113	39.8
1870.....	369,409,941	94.0	318,592,463	93.1	10,969,533	88.5	39,847,896	68.0
1860.....	190,371,098	203.3	100,830,495	210.1	5,819,832	101.3	23,714,771	100.1
1850.....	62,772,551	.....	51,872,440	.....	2,891,371	.....	8,008,734	.....

¹ Computed gold values, being 80 per cent of the currency values reported.

The total wealth of the state in the form of farm property is over a billion dollars, of which 82.8 per cent is represented by land and buildings, 12.7 per cent by live stock, and 4.6 per cent by implements and machinery. The percentage of increase in the total value of farm property was greater from 1900 to 1910 than in any other decade since 1870, and the actual amount of increase was nearly twice as great as the largest increase reported for any previous decade. Of the total increase of \$398,503,000 during the past decade, \$318,621,000 represents the increase in value of land and buildings, \$21,121,000 the increase in value of implements and machinery, and \$58,761,000 the increase in value of live stock.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Michigan farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	91.5	\$5,261	\$4,354	\$241	\$666	\$47.58
1900.....	86.4	3,396	2,866	142	389	33.17
1890.....	85.8	3,760	3,227	129	404	37.62
1880.....	89.7	3,729	3,241	126	362	36.15
1870.....	101.4	3,739	3,225	111	403	31.30
1860.....	112.6	3,050	2,577	93	380	22.88
1850.....	128.6	1,841	1,522	85	235	11.83

¹ Averages are based on "all farms" in state.

² Computed gold values, being 80 per cent of the currency values reported.

The average size of the Michigan farm decreased 42.8 acres in the 40 years from 1850 to 1890. Since 1890 there has been an increase of 5.7 acres. The average farm is now larger than at any earlier census since 1870, but is 37.1 acres smaller than in 1850.

The average value of a Michigan farm, including its equipment, has grown during the last decade from \$3,396 to \$5,261. Of this \$5,261, \$4,354 represents the value of land and buildings, \$666 that of live stock, and \$241 that of implements and machinery. The average value per farm has increased more in the last decade than during the preceding half century, and is now approaching three times the value it had in 1850. During the last decade the average value of land and buildings has increased \$14.41 per acre, or two-thirds as much as during the preceding half century. The value per farm of farm equipment, which includes implements and machinery and live stock, is nearly three times as great as 60 years ago.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	206,990	203,261	172,344	154,008
Farms operated by owners and managers.....	174,271	171,048	148,208	138,597
Farms consisting of owned land only.....	151,005	153,196	(¹)	(¹)
Farms consisting of owned and hired land.....	21,305	15,618	(¹)	(¹)
Farms operated by managers.....	1,961	2,234	(¹)	(¹)
Farms operated by tenants.....	32,689	32,213	24,136	15,411
Share tenants.....	20,378	22,482	15,924	10,396
Share-cash tenants.....	870			
Cash tenants.....	9,629	9,731	8,212	5,015
Tenure not specified.....	1,812			
Per cent of farms operated by—				
Owners and managers.....	84.2	84.1	86.0	90.0
Tenants.....	15.8	15.9	14.0	10.0
Share and share-cash.....	10.3	11.1	9.2	6.8
Cash and nonspecified.....	5.5	4.8	4.8	3.3

¹ Not reported separately.
² Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
³ Prior to 1910 nonspecified tenants were included with cash tenants.

The total number of farms increased 3,699 during the last decade, or 1.8 per cent; the number of farms operated by owners and managers increased 3,223, or 1.9 per cent; the number operated by tenants increased 476, or 1.5 per cent.

In 1880, 10 out of every 100 farms were operated by tenants; but after that time the relative importance of tenancy increased rapidly, and in 1900 approximately 16 out of every 100 farms were thus operated. The proportion in 1910 was the same as in 1900.

Throughout the 30-year period the number of cash tenants, including those for whom the form of tenure was not reported, has continuously increased. The number of share and share-cash tenants increased till 1900, but during the last decade a decrease of 1,234, or 5.5 per cent, occurred in the number of such tenants. Of the total number of farms in 1910, those reported as rented for cash, including those for which the form of tenure is not reported, represent 5.5 per cent, and those reported as rented in whole or in part for a share of the products represent 10.3 per cent.

The following table shows the acreage, improved acreage, and value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	18,940,614	17,561,698	12,832,078	11,799,250	\$901,138,299	\$582,517,710
Owners.....	15,107,494	14,078,277	10,142,159	9,344,023	690,059,567	452,786,700
Managers.....	452,504	424,311	217,109	244,491	22,981,178	16,991,270
Tenants.....	3,380,616	3,059,110	2,472,810	2,210,736	179,097,554	112,739,740

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	83.3	83.1	79.8	80.2	79.0	79.2	77.6	77.7
Managers.....	0.9	1.1	2.4	2.4	1.7	2.1	2.6	2.9
Tenants.....	15.8	15.9	17.8	17.4	19.3	18.7	19.9	19.4

It will be seen that, in 1910, 79.8 per cent of all land in farms was in farms operated by their owners (including part owners), 2.4 per cent in farms operated by managers, and 17.8 per cent operated by tenants, the per cent distribution being practically the same in 1910 as in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (230.8 acres) was about two and one-fourth times as great as that of farms operated by tenants (103.4 acres), which was in turn larger than that of farms operated by owners (87.7 acres). The average size of farms in each class increased between 1900 and 1910, the greatest increase being that for farms operated by managers. In 1910 the percentage of farm land improved was highest for tenant farms and lowest for farms operated by managers.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		IMPROVED		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	91.5	86.4	62.0	58.0	67.8	67.2	\$4,354	\$2,866	\$47.58	\$33.17
Owners.....	87.7	83.4	58.9	53.4	67.1	66.4	4,057	2,632	46.27	32.10
Managers.....	230.8	189.9	110.7	109.4	48.0	57.6	11,719	7,606	50.79	40.04
Tenants.....	103.4	95.0	75.6	68.6	73.1	72.3	5,479	3,600	52.98	38.85

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis

was "owned farms" instead of "owned farm homes," a difference involving no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED FARMS. ¹		OWNED FARM HOMES.		OWNED FARM HOMES. ²	
	1910		1900		1890	
	Number.	Per cent. ³	Number.	Per cent. ³	Number.	Per cent.
Total.....	172,310		168,062		146,697	
Free from mortgage.....	88,705	51.3	85,490	51.7	74,302	50.6
Mortgaged.....	82,631	48.2	79,789	48.3	72,395	49.4
Unknown.....	974		2,783			

¹ Includes all farms owned in whole or in part by the operator.

² The 1,752 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.

³ Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 172,310. Of this number, 88,705 were reported as free from mortgage; 82,631 were reported as mortgaged; and for 974 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 48.2 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is only slightly smaller than it was in 1900 and in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses, because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1910 the number of farms free from mortgage has increased faster relatively than those mortgaged.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 82,631 farms reported as mortgaged, 70,803 are wholly owned by the farmers, and for 68,655 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms,

the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE.	
	1910 ¹	1890 ²	Amount.	Per cent.
Number.....	68,655	72,395		
Value—Land and buildings.....	\$250,874,010	\$108,964,438		
Amount of mortgage debt.....	\$75,997,080	\$64,414,980		
Per cent of debt to value.....	30.3	32.4		
Average value per farm.....	\$3,654	\$2,748	\$906	33.0
Average debt per farm.....	\$1,107	\$890	\$217	24.4
Average equity per farm.....	\$2,547	\$1,858	\$689	37.1

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.

² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms increased in the 20 years from \$890 to \$1,107, or 24.4 per cent, while the average value of such farms rose from \$2,748 to \$3,654, or 33 per cent. Thus the owner's equity increased from \$1,858 to \$2,547, or 37.1 per cent. As a result of the greater relative increase in farm value than in farm debt, the mortgage indebtedness, which was 32.4 per cent of the value of the mortgaged farms in 1890, had decreased to 30.3 per cent of that value in 1910.

Farms by size groups: 1910 and 1900.—The table following shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total.....	206,960	203,261	3,699	1.8	100.0	100.0
Under 3 acres.....	387	1,053	-671	-63.4	0.2	0.5
3 to 9 acres.....	6,679	5,077	1,602	31.6	3.2	2.5
10 to 19 acres.....	7,719	7,335	384	5.2	3.7	3.6
20 to 49 acres.....	49,890	59,197	-9,307	-15.7	24.1	29.1
50 to 99 acres.....	73,748	71,021	2,727	3.8	35.6	34.9
100 to 174 acres.....	50,622	43,741	6,881	15.7	24.5	21.5
175 to 259 acres.....	12,426	10,815	1,611	14.9	6.0	5.3
260 to 499 acres.....	4,717	4,364	353	8.1	2.3	2.1
500 to 999 acres.....	607	517	90	17.4	0.3	0.3
1,000 acres and over.....	165	136	29	21.3	0.1	0.1

¹ A minus sign (-) denotes decrease.

More than one-third of all Michigan farms are between 50 and 99 acres in size. Nearly one-fourth comprise 20 to 49 acres, and approximately another fourth comprise from 100 to 174 acres. These three groups include the 40, 80, and 160 acre farms and together constitute about five-sixths of the farms of the state. Farms of under 20 acres represent only 7.1 per cent of the total number, and farms of 175 acres or more represent only 8.7 per cent.

A study of the distribution of farms by size groups discloses the fact that the greatest relative gain in number from 1900 to 1910 was made in the "3 to 9 acres" group, while the greatest actual gain occurred in the "100 to 174 acres" group. The number of places "under 3 acres" reported as farms is reported as only a little over one-third as great as 10 years ago. This decrease may represent an actual decrease in that type of farm or may be due to a different interpretation by the enumerators as to what to include as a

small farm. The "20 to 49 acres" group also shows a marked decrease, but all higher groups have increased.

The next table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 14,785), and also the farms of between 175 and 499 acres (numbering 17,143):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	18,940,614	17,561,698	12,832,078	11,799,250	\$901,138,299	\$582,517,710
Under 20 acres.....	137,131	130,371	121,750	115,161	28,255,364	17,220,790
20 to 49 acres....	1,814,802	2,183,332	1,351,445	1,581,657	106,804,968	80,880,590
50 to 99 acres....	5,537,000	5,305,094	3,998,814	3,723,015	271,485,989	177,556,910
100 to 174 acres..	6,591,003	5,692,182	4,539,148	3,823,643	301,276,358	182,756,000
175 to 499 acres..	4,125,482	3,675,739	2,602,019	2,335,353	174,564,535	113,004,650
500 to 999 acres..	391,180	324,843	150,477	157,702	13,040,547	8,260,250
1,000 acres and over.....	343,917	249,237	50,425	62,719	5,690,538	2,847,920

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres.....	7.1	6.6	0.7	0.7	0.9	1.0	3.1	3.0
20 to 49 acres.....	24.1	29.1	9.6	12.4	10.5	13.4	11.9	13.9
50 to 99 acres.....	35.6	34.9	29.2	30.2	31.2	31.0	30.1	30.5
100 to 174 acres..	24.5	21.5	34.8	32.4	35.4	32.4	33.4	31.4
175 to 499 acres..	8.3	7.5	21.8	20.9	20.3	19.8	19.4	19.4
500 to 999 acres..	0.3	0.3	2.1	1.8	1.2	1.3	1.4	1.4
1,000 acres and over.....	0.1	0.1	1.8	1.4	0.5	0.5	0.6	0.5

Of the total farm acreage of the state in 1910, 34.8 per cent was in farms of 100 to 174 acres, and 29.2 per cent in farms of 50 to 99 acres, these two being from the standpoint of aggregate acreage the most important size groups. Between 1900 and 1910 the proportion of the total acreage which was in farms of every size group of 100 acres or more increased, while that in farms of 20 to 49 and of 50 to 99 acres decreased, and that in farms of under 20 acres remained the same.

As shown by the next table, the percentage of farm land improved diminishes as the average size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average

value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	67.8	67.2	\$4,354	\$2,866	\$47.58	\$33.17
Under 20 acres.....	88.8	88.3	1,911	1,278	206.05	132.09
20 to 49 acres.....	74.5	72.4	2,141	1,366	58.85	37.04
50 to 99 acres.....	72.2	70.2	3,681	2,500	49.03	33.46
100 to 174 acres..	68.9	67.2	5,951	4,178	45.71	32.11
175 to 499 acres..	63.1	63.5	10,184	7,445	42.32	30.74
500 to 999 acres..	40.8	48.5	21,484	15,958	33.34	25.40
1,000 acres and over.....	17.3	25.2	34,488	20,941	16.55	11.43

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Own-ers.	Ten-ants.	Man-agers.	Per cent of total.		
	Num-ber.	Per cent dis-tribution.				Own-ers.	Ten-ants.	Man-agers.
Total.....	206,960	100.0	172,310	32,689	1,961	83.3	15.8	0.9
Native white.....	147,790	71.4	118,660	27,609	1,521	80.3	13.7	1.0
Foreign-born white.	58,224	28.1	52,865	4,928	481	90.8	8.5	0.7
Negro and other nonwhite.....	946	0.5	785	152	9	83.0	16.1	1.0

Seven out of ten Michigan farmers were native whites, and nearly all the remainder foreign-born whites. The 946 nonwhite farmers, of whom 306 were Indians and 640 negroes, constitute only five-tenths of 1 per cent of the farmers in the state. Of the native whites, 18.7 per cent were tenants, as compared with 8.5 per cent among the foreign-born whites and 16.1 per cent among nonwhites.

Of the 58,224 foreign-born white farmers in Michigan in 1910, 20,129 were born in Canada, 15,788 in Germany, 3,931 in Holland, 3,913 in England, 3,330 in Sweden, 2,011 in Ireland, and 1,381 in Denmark. Other European countries were represented by 7,670 farmers and non-European countries, other than Canada, by 71.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented

in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

Of all the farms in the state, 89.4 per cent report cattle. "Dairy cows" are reported by 88.5 per cent of the farms, and "other cows" by 21.2 per cent. Only about 1 per cent of the farms have cattle without having dairy cows. The farms reporting dairy

cows show an average of over 4 per farm. The total number of cows materially increased during the decade, 1900 to 1910, while the average value of dairy cows increased from \$30.65 to \$38.21.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Percent of all farms.	Number.	Value.	Average value.
Total.....	196,655	95.0	.....	\$131,746,948	.....
Cattle	185,081	89.4	1,497,823	40,500,318	\$27.04
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	183,098	88.5	767,083	29,312,252	38.21
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	43,876	21.2	108,801	2,579,663	24.15
Heifers born in 1909.....	95,209	48.0	205,000	3,034,174	14.80
Calves born after Jan. 1, 1910.....	103,377	49.9	236,050	1,544,581	6.54
Steers and bulls born in 1909.....	51,888	25.1	119,263	1,845,454	15.47
Steers and bulls born before Jan. 1, 1909.....	21,710	10.5	63,626	2,184,194	34.33
Horses	184,267	89.0	610,033	71,312,474	116.90
Mares, stallions, and geldings born before Jan. 1, 1909.....	183,794	88.8	580,936	68,278,456	121.72
Colts born in 1909.....	32,338	15.6	41,474	2,775,456	66.92
Colts born after Jan. 1, 1910.....	6,885	3.3	7,623	258,562	33.92
Mules	1,865	0.9	3,700	493,825	133.47
Mules born before Jan. 1, 1909.....	1,675	0.8	3,329	469,927	141.16
Mule colts born in 1909.....	244	0.1	309	21,641	70.04
Mule colts born after Jan. 1, 1910.....	59	(¹)	62	2,257	36.40
Asses and burros	144	0.1	233	23,932	102.71
Swine	131,658	63.6	1,245,833	9,755,042	7.83
Hogs and pigs born before Jan. 1, 1910.....	126,107	60.9	655,921	8,284,483	12.63
Pigs born after Jan. 1, 1910.....	59,337	28.7	589,912	1,470,559	2.49
Sheep	54,865	28.5	2,305,476	9,646,565	4.18
Ewes born before Jan. 1, 1910.....	54,146	26.2	1,433,263	7,740,957	5.40
Rams and wethers born before Jan. 1, 1910.....	25,087	12.1	111,978	679,784	6.07
Lambs born after Jan. 1, 1910.....	41,309	20.0	761,235	1,225,824	1.61
Goats	688	0.3	5,080	14,192	2.79

¹ Less than one-tenth of 1 per cent.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result, the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 375,000 to 236,000, and the average value decreasing from \$6.63 to \$6.54.

Horses are reported by 89 per cent of all the farms in the state, but only 15.6 per cent report colts born in 1909, and 3.3 per cent spring colts. Spring colts are valued at a little over half as much as yearlings and over a quarter as much as mature horses, the

average value of the latter being reported at \$121.72. About one farm out of every hundred reports mules and mule colts. The average value of mules is considerably higher than that of horses.

Sheep and lambs are reported from 54,865 farms, or 26.5 per cent of all farms in the state. Of these 54,865 farms, 75.3 per cent report spring lambs, the number of the latter being equal to 53.1 per cent of the number of ewes. Ewes are reported from all but 719 of the farms reporting sheep, and for the farms reporting, the average is over 26 ewes per farm. The farms reporting rams and wethers show an average of over 4 per farm.

Of all farms, 63.6 per cent report swine, the average number being over 9 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is \$12.63 per head, while that of spring pigs is about one-fifth of this amount.

Poultry on farms: 1910 and 1900.—The next table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Percent of all farms.			
Total	189,417	91.5	9,967,039	\$5,610,958	8,405,060
Chickens.....	189,315	91.5	9,098,401	5,308,517	8,033,631
Turkeys.....	20,710	10.0	81,263	156,332	191,863
Ducks.....	14,214	6.9	54,723	37,060	105,399
Geese.....	18,179	8.8	66,772	87,180	73,267
Guinea fowls.....	6,243	3.0	26,274	11,161	(¹)
Pigeons.....	2,427	1.2	39,510	12,330	(²)
All other ³	27	(⁴)	96	366	(²)

¹ Included with chickens.

² Not reported.

³ Twenty-one farms report 38 peafowls, valued at \$155; 5 farms report 38 pheasants, valued at \$111; 1 farm reports 20 wild geese, valued at \$100.

⁴ Less than one-tenth of 1 per cent.

The increase in the number of fowls on Michigan farms during the last decade was 18.6 per cent, while the value more than doubled, increasing from \$2,686,000 to \$5,611,000. The number of farms reporting poultry has increased from 185,241 to 189,417, and the average number of fowls per farm reporting from 45 to 53. It will be noted that pigeons and certain other fowls returned in small numbers in 1910 were not enumerated at the earlier census. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 18,122 in 1900 to 16,892 in 1910, or 6.8 per cent. The number of colonies of bees increased from 100,397 to 115,274, or 14.8 per cent, and their value increased from \$352,469 to \$446,464, or 26.7 per cent. The average value of bees per farm reporting was \$19.45 in 1900 and \$26.43 in 1910. About 8 farms in every 100 report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the next table age groups are omitted for the sake of brevity.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total	67,383		\$15,700,343	
All cattle.....	27,622	47,385	1,745,203	\$36.83
Dairy cows.....	26,518	35,345	1,576,702	44.61
Horses.....	50,939	100,238	13,660,280	136.28
Mules.....	277	700	105,514	150.73
Asses and burros.....	63	74	6,001	81.09
Swine.....	3,931	13,894	144,986	10.44
Sheep.....	318	6,453	32,231	4.99
Goats.....	292	2,116	6,128	2.90

As would be expected, horses are by far the most important class of domestic animals not on farms, both in number and in value; cattle, about three-

fourths of which are dairy cows, rank next in importance.

Domestic animals on farms and not on farms: 1910.—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
Total		\$147,446,691		\$131,746,348		\$15,700,343
All cattle.....	1,545,208	42,245,521	1,497,823	40,500,318	47,385	1,745,203
Dairy cows.....	802,428	30,888,954	767,083	29,312,252	35,345	1,576,702
Horses.....	710,271	84,972,754	610,033	71,312,474	100,238	13,660,280
Mules.....	4,400	599,335	3,700	493,825	700	105,514
Asses and burros.....	307	29,833	23,932	74	6,001	
Swine.....	1,259,727	9,900,025	1,245,833	9,755,042	13,894	144,986
Sheep.....	2,312,929	9,678,799	2,300,476	9,646,565	6,453	32,231
Goats.....	7,196	20,320	5,080	14,192	2,116	6,128

The total value of all domestic animals in the state in 1910 was \$147,447,000, of which the value of animals not on farms constituted 10.6 per cent.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The number of farms reporting dairy cows on April 15, 1910, was 183,098, but only 168,360 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 144,261 (considerably less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 616,000. The amount of milk reported was 283,387,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 460 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk

reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms April 15, 1910.....	183,098	88.5	767,083	Head		
On farms reporting dairy products in 1909.....	168,360	81.3	727,832	Head		
On farms reporting milk produced in 1909.....	144,261	69.7	615,520	Head		
Specified dairy products, 1909:						
Milk reported.....			283,387,201	Gals.		
Butter made.....	181,519	68.5	50,405,426	Lbs.	\$11,805,872	\$0.23
Cheese made.....	246	0.1	291,176	Lbs.	36,228	0.12
Milk sold.....	25,853	12.5	74,025,769	Gals.	8,365,401	0.11
Cream sold.....	9,537	4.0	2,485,061	Gals.	1,675,024	0.67
Butter fat sold.....	28,334	13.7	18,287,691	Lbs.	4,845,013	0.26
Butter sold.....	92,853	44.9	30,010,783	Lbs.	7,178,433	0.24
Cheese sold.....	178	0.1	284,026	Lbs.	35,307	0.12
Total receipts from sales, 1909.....					22,090,178	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					26,727,638	
Specified dairy products, 1899:						
Butter made.....	156,955	77.2	60,051,998	Lbs.		
Cheese made.....	253	0.1	331,176	Lbs.		
Butter sold.....			34,335,641	Lbs.	5,699,679	0.15
Cheese sold.....			316,207	Lbs.	29,558	0.09

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been

presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$26,728,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Somewhat more than one-fourth of the milk produced in Michigan in 1909 was sold as such. A comparatively large quantity of milk and cream was sold on the butter fat basis. The butter made on farms in 1909 was valued at \$11,806,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, and also in the production of cheese.

Wool: 1909 and 1899.—The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:¹

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	54,871	1,545,241			
Wool produced, as reported, 1909.....	49,044		1,505,258	11,231,700	\$3,213,946
On farms reporting sheep April 15, 1910.....	45,860	1,372,804	1,417,882	10,630,158	3,045,746
On other farms.....	3,184		87,395	601,542	168,200
Total production of wool (partly estimated):					
1909.....			1,595,959	11,965,405	3,428,320
1899.....			1,734,228	12,202,844	2,454,399
Increase, 1899 to 1909.....			-138,269	-237,439	973,921
Per cent of increase.....			-8.0	-1.9	39.7

¹ A minus sign (-) denotes decrease.

The total number of sheep of shearing age in Michigan on April 15, 1910, was 1,545,000, representing a decrease of 5 per cent as compared with the number on June 1, 1900 (1,626,000). The approxi-

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 9,011 farmers who reported the possession of 172,437 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

mate production of wool during 1909 was 1,596,000 fleeces, weighing 11,965,000 pounds, and valued at \$3,428,000. Of these totals about 6 per cent represent estimates. The number of fleeces produced in 1909 was 8 per cent less than in 1899. The average weight per fleece in 1909 was 7.5 pounds, as compared with 7 pounds in 1899, and the average value per pound was 29 cents, as compared with 20 cents in 1899.

Goat hair and mohair: 1909 and 1899.—Although 686 farmers reported 5,080 goats and kids on their farms April 15, 1910, only 117 reported the production of goat hair or mohair during 1909. These farmers reported 1,559 fleeces, weighing 5,677 pounds and valued at \$1,712. Although the production is still unimportant, some increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms April 15, 1910.....	189,417	9,967,039		
On farms reporting eggs produced in 1909.....	171,884	9,361,763		
On other farms.....	17,533	605,276		
Eggs produced, as reported, 1909.....	173,641		56,176,525	\$11,002,435
Total production of eggs (partly estimated):				
1909.....			59,915,851	11,734,709
1899.....			54,318,410	6,104,462
Increase, 1899 to 1909.....			5,597,441	5,630,247
Per cent of increase.....			10.3	92.2
Eggs sold, as reported, 1909.....	154,069		38,668,336	7,547,202
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909.....	166,455	9,183,322		
On other farms.....	22,962	783,717		
Poultry raised, as reported, 1909.....	168,621		11,864,965	5,704,602
Total poultry raised (partly estimated):				
1909.....			12,877,537	6,101,440
1899.....			4,551,045	1,036,405
Increase, 1899 to 1909.....			8,326,492	5,065,035
Per cent of increase.....			183.0	488.6
Fowls sold, as reported, 1909.....	120,804		5,289,794	2,746,223

The total number of fowls on Michigan farms on April 15, 1910, was 9,967,000. Of the 189,417 farms reporting fowls, 17,533 did not report any eggs produced in 1909, and 22,962 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 56,177,000 dozens, valued at \$11,002,000. According to the Twelfth Census reports, the production of eggs in 1899 was 54,318,000 dozens, the value being \$6,104,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules returned fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the

same as in the case of wool. The total production of eggs in 1909, including these estimates, was 59,916,000 dozens, valued at \$11,735,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 12,878,000 fowls, valued at \$6,191,000.

Honey and wax: 1909.—Although, as noted elsewhere, 16,892 farms reported 115,274 colonies of bees on hand April 15, 1910, 5,643 of these farms, with 15,147 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 2,507,810 pounds of honey, valued at \$289,137, and 28,524 pounds of wax, valued at \$7,605. The true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by Michigan farmers during the year 1909, with certain items for 1899.

The total value of domestic animals sold during 1909 was \$35,915,000, and that of animals slaughtered on farms \$7,652,000, making an aggregate of \$43,567,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented about one-third of the total value of animals sold, and the value of swine sold represented somewhat less than one-third.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting, and the total value of those slaughtered during 1899, which amounted, respectively, to \$18,344,000 and \$5,334,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$35,915,379	
Slaughtered.....				7,652,048	
Calves:					
Sold.....	84,620	40.9	293,525	2,334,647	\$7.96
Slaughtered.....	16,091	7.8	61,896	506,842	8.19
Other cattle:					
Sold.....	82,230	39.7	319,063	10,441,882	32.73
Slaughtered.....	19,852	9.6	43,619	1,190,412	27.29
Horses: Sold.....	30,297	14.6	52,432	6,393,341	121.94
Mules: Sold.....	271	0.1	484	64,758	133.80
Asses and burros: Sold.....	20	(¹)	50	2,739	54.78
Swine:					
Sold.....	85,168	41.2	981,880	10,820,875	11.02
Slaughtered.....	114,104	55.1	381,247	5,874,253	15.41
Sheep:					
Sold.....	36,004	17.4	1,140,614	5,847,488	5.13
Slaughtered.....	3,012	1.5	17,818	80,108	4.50
Goats:					
Sold.....	135	0.1	2,410	9,649	4.00
Slaughtered.....	40	(¹)	117	433	3.70
1899—All domestic animals:					
Sold ²				18,344,000	
Slaughtered.....				5,333,786	

¹ Less than one-tenth of 1 per cent.

² Schedules called for receipts from sales of animals raised on the farms reporting.

CROPS.

Summary: 1909 and 1899.—The next table summarizes the census data relative to all farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$162,005,000. Of this amount, 87.6 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 8,198,578, representing 63.9 per cent of the total im-

proved land in farms (12,832,078 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which is not reported.

The general character of Michigan agriculture is indicated by the fact that more than two-fifths (43.5 per cent) of the total value of crops in 1909 was contributed by the cereals, more than one-fifth (22.2 per cent) by hay and forage, and one-tenth (10 per cent) by potatoes and other vegetables. The remainder, representing in value 24.3 per cent of the total, consisted mainly of grains and seeds, other than cereals, of fruits and nuts, and of forest products.

The total value of crops in 1909 was 74.9 per cent greater than that in 1899; this increase was no doubt largely due to higher prices. There was an increase of 5.9 per cent in the total acreage of crops for which acreage was reported, the greatest absolute increases being those in the acreage of hay and forage and of grains and seeds, other than cereals, and the greatest decrease that in the acreage of cereals.

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase. ¹		1909	1899	1909	1899	Increase. ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$162,004,681	\$92,025,715	\$69,378,966	74.9	100.0	100.0
Crops with acreage reports.....	8,198,578	7,741,175	457,403	5.9	63.9	65.6	141,976,000	80,455,649	61,520,351	76.5	87.6	86.9	
Cereals.....	4,415,629	4,721,126	-305,497	-6.5	34.4	40.0	70,544,250	41,819,042	28,725,208	68.7	43.5	45.1	
Other grains and seeds.....	498,926	239,284	259,642	108.5	3.9	2.0	11,060,285	3,060,261	8,000,024	261.4	6.8	3.3	
Hay and forage.....	2,715,301	2,328,498	386,803	16.6	21.2	19.7	36,040,087	21,792,987	14,247,100	65.4	22.2	23.5	
Tobacco.....	81	97	-66	(²)	(³)	(³)	3,390	5,345	-1,955	-36.6	(³)	(³)	
Sugar crops.....	79,195	40,624	38,571	94.9	0.6	0.3	4,032,718	887,967	3,144,751	354.1	2.5	1.0	
Sundry minor crops.....	7,973	10,754	-2,781	-25.9	0.1	0.1	278,539	85,287	193,252	44.1	0.2	0.2	
Potatoes and sweet potatoes and yams.....	365,507	312,034	53,473	17.1	2.8	2.6	9,914,683	6,761,750	3,152,933	46.6	6.1	7.3	
Other vegetables.....	90,861	57,501	33,360	58.0	0.7	0.5	6,236,645	3,394,265	2,892,380	85.2	3.0	3.7	
Flowers and plants and nursery products.....	3,730	2,000	1,678	81.4	(³)	(³)	1,736,538	860,531	926,007	107.6	1.1	0.9	
Small fruits.....	21,419	29,197	-7,778	-26.6	0.2	0.2	2,028,865	1,680,249	348,616	20.7	1.3	1.8	
Crops with no acreage reports.....							20,028,681	12,170,066	7,858,615	64.6	12.4	13.1	
Seeds.....							1,008,761	343,700	665,061	193.5	0.6	0.4	
Fruits and nuts.....							10,570,855	4,186,549	6,384,306	152.5	6.5	4.5	
Maple sugar and sirup.....							333,791	100,596	233,195	231.8	0.2	0.1	
Forest products of farms.....							7,911,901	7,530,369	381,532	5.1	4.9	8.1	
Miscellaneous.....							203,373	8,852	194,521	2,197.5	0.1	(³)	

¹ A minus sign (-) denotes decrease.

² Per cent not calculated when the base is less than 100.

³ Less than one-tenth of 1 per cent.

⁴ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops.

CROP.	Farms report- ing.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total.....		4,415,629	121,862,638	Bu.....	\$70,544,250
Corn.....	161,901	1,589,596	52,906,842	Bu.....	29,580,929
Oats.....	141,731	1,429,076	43,869,502	Bu.....	18,500,195
Wheat, total.....	82,214	802,137	16,025,791	Bu.....	16,586,868
Common winter.....	79,588	793,606	15,899,301	Bu.....	16,458,878
Common spring.....	2,745	8,368	124,082	Bu.....	125,084
Durum or macaroni.....	61	163	2,408	Bu.....	2,306
Emmer and spelt.....	1,816	6,742	154,103	Bu.....	97,414
Barley.....	21,601	93,065	2,132,101	Bu.....	1,232,344
Buckwheat.....	17,933	75,909	983,119	Bu.....	594,748
Rye.....	45,889	419,020	5,814,394	Bu.....	3,944,616
Kafir corn and milo maize.....	24	84	1,786	Bu.....	1,136
Other grains and seeds with acreage report, total.....		498,926	6,448,970	Bu.....	11,060,285
Dry edible beans.....	55,466	408,669	5,282,511	Bu.....	9,716,315
Flaxseed.....	187	261	2,943	Bu.....	4,951
Peanuts.....	25	64	1,111	Bu.....	1,089
Dry peas.....	18,128	94,932	1,162,403	Bu.....	1,337,430
Seeds with no acreage report, total.....					1,008,761
Timothy seed.....	233	(²)	10,632	Bu.....	19,466
Clover seed.....	10,537	(²)	138,239	Bu.....	940,448
Alfalfa seed.....	21	(²)	203	Bu.....	1,747
Millet seed.....	40	(²)	2,226	Bu.....	2,203
Other tame grass seed.....	12	(²)	167	Bu.....	786
Flower and garden seeds.....	128	(²)			44,106
Hay and forage, total.....	170,954	2,715,301	3,632,939	Tons.	36,040,087
Timothy alone.....	53,731	749,563	829,165	Tons.	10,499,364
Timothy and clover mixed.....	119,320	1,625,229	1,991,618	Tons.	21,276,325
Clover alone.....	18,987	168,180	216,362	Tons.	2,103,819
Alfalfa.....	1,456	6,563	13,872	Tons.	160,273
Millet or Hungarian grass.....	3,987	11,088	16,349	Tons.	136,007
Other tame or cultivated grasses.....	1,236	11,820	10,411	Tons.	91,787
Wild, salt, or prairie grasses.....	3,899	33,345	39,970	Tons.	232,416
Grains cut green.....	3,683	19,415	26,035	Tons.	170,997
Coarse forage.....	13,004	89,338	378,279	Tons.	1,323,278
Root forage.....	1,132	770	6,378	Tons.	45,821
Potatoes.....	176,649	365,483	38,243,328	Bu.....	9,913,778
Sweet potatoes and yams.....	124	24	909	Bu.....	905
Tobacco.....	108	31	29,855	Lbs.....	3,390
Sundry minor crops, total.....		7,973			278,539
Mint and mint oil.....	446	6,360	121,169	Lbs.....	194,391
Ginseng.....	41	(³)			15,794
Chicory.....	525	1,584	9,602	Tons.	70,020

¹ Includes small amount of golden seal seed.

² The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.

³ Reported in small fractions.

⁴ Includes small amounts of hops, broom corn, and willows.

The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$36,040,000; corn, \$29,581,000; oats, \$18,506,000; wheat, \$16,587,000; potatoes, \$9,914,000; dry edible beans, \$9,716,000; and rye, \$3,945,000. It should be noted, however, that several crops, statistics for which appear elsewhere, are more important than rye.

Hay and forage is the leading crop of the state in acreage as well as in value, its acreage being over 70 per cent greater, and its value over 20 per cent greater than that of corn, which is the crop next in rank. Of the hay and forage crops, "timothy and clover mixed" constitutes about three-fifths in both acreage and value, the next of these crops in order being "timothy alone" with less than half the acreage and value of "timothy and clover mixed."

Corn represents about one-third of the total acreage of all cereals and over two-fifths of the total value. As compared with corn, the wheat crop has about half as great an acreage, but more than half as great a value. Rye has an acreage more than half as great as that of wheat, but in value it is less than a fourth as great.

Aside from the cereals and hay and forage, the two most important crops are beans and potatoes. These two crops have nearly the same value, although the acreage of potatoes is smaller than that of beans.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Barley.	Rye.	Hay and forage.
1909.....	1,589,596	1,429,076	802,137	93,065	419,020	2,715,301
1899.....	1,501,189	1,019,438	1,925,769	49,965	174,096	2,328,498
1889.....	994,597	1,085,759	1,501,225	99,305	140,764	2,024,736
1879.....	919,656	536,187	1,822,749	64,506	22,815	1,245,441

During the 30 years covered by the table the corn acreage made a gain of 72.8 per cent, the greatest gain occurring during the decade 1889 to 1899. The acreage of oats increased 166.5 per cent during the same period, although it decreased a little from 1889 to 1899. Wheat acreage was slightly larger in 1899 than in 1879, but the sharp decline of the last decade brought it considerably below one-half of the acreage of 30 years ago. The acreage of barley has varied considerably; an increase of 82.2 per cent from 1879 to 1889 was followed by a decline of 54.7 per cent from 1889 to 1899, and in 1909 by a gain of 107 per cent, which brought it not very far below the figure of 20 years before. The acreage of rye has increased throughout the period and in 1909 was over eighteen times as great as in 1879. Hay and forage considerably more than doubled in acreage during the 30 years, the greater part of the gain occurring in the first decade.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres, 1899 to 1909. ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899		1909	1909
Corn.....	78.2	81.3	12.4	12.7	5.9	33.3 Bu.	\$18.61
Oats.....	68.5	59.7	11.1	8.6	40.2	30.7 Bu.	12.95
Wheat.....	39.7	66.9	6.3	16.3	-58.3	20.0 Bu.	20.68
Barley.....	10.4	5.1	0.7	0.4	107.0	22.9 Bu.	13.24
Buckwheat.....	8.7	10.2	0.6	0.5	36.4	12.6 Bu.	7.84
Rye.....	23.6	13.1	3.3	1.5	140.7	15.9 Bu.	9.41
Dry edible beans.....	26.8	14.1	3.1	1.4	141.7	13.1 Bu.	24.67
Dry peas.....	8.8	8.7	0.7	0.6	33.0	12.2 Bu.	14.06
Hay and forage.....	82.6	84.5	21.2	19.7	16.6	1.34 Tons.	13.27
Potatoes.....	85.3	81.8	2.8	2.6	17.2	104.6 Bu.	27.13

¹ A minus sign (-) denotes decrease.

Over four-fifths of the farms report potatoes and hay and forage, and a little smaller proportion report corn. Oats are reported by about 7 farms in 10; wheat by 4 in 10; and barley by 1 in 10. Nearly one-fourth of the farms report rye, and slightly over that proportion report beans.

Approximately one-half of the improved land is occupied by corn, oats, wheat, and hay and forage. The largest relative gains in acreage were made in beans, rye, and barley, though the absolute gains were much larger in the acreages of oats and hay and forage.

In 1909 the average yield per acre of corn was 3.6 bushels greater than in 1899, and of wheat, nearly double that of 1899; while the yield of oats was 4.9 bushels less than at the former period.

The average value per acre of all cereals combined is \$15.98, wheat and corn ranking above this average and all other cereals below it. For hay and forage the average value per acre is \$2.71 less than for all cereals combined.

By far the greater part of the corn is grown in the southern half of the lower peninsula, and as a whole

this section shows an increase in acreage, although for 17 of the counties decreases are recorded. The percentages of increase in the acreages in the northern counties are large, though the actual gains are relatively unimportant. The increase in the acreage of oats is distributed very generally over the state, only five counties showing decreases. The greatest actual gains are in a few of the south central counties, though, like corn, the greatest relative gains are in the northern counties. Wheat acreage decreased in all but one county in the southern peninsula; in the few counties in the northern peninsula where increases occurred the acreage is inconsiderable. Rye increased in acreage in all but three counties in the southern peninsula. One-fourth of the rye acreage of the state is in six counties—Montcalm, Kent, Jackson, Mecosta, Oakland, and Livingston. The greater part of the hay and forage crop is grown in the southern part of the state, but its acreage extends farther to the north than the main corn acreage. The acreage of alfalfa is almost entirely confined to the southern peninsula and is well scattered over the counties of this part of the state, though Lenawee County has almost one-sixth of the whole.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

CROP.	FARMS REPORTING, 1909		ACRES.		VALUE OF PRODUCTS.	
	Num-ber.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	148,030	71.5	90,861	57,501	\$6,286,645	\$3,394,265
Farms reporting a product of \$500 or over.....	1,401	0.7	11,933	.....	1,528,349	.....
All other farms.....	146,629	70.8	78,928	.....	4,758,296	.....
Flowers and plants, total.....	353	0.2	702	220	1,143,764	521,987
Farms reporting a product of \$250 or over.....	258	0.1	.....	.....	1,132,325	.....
All other farms.....	95	(²)	.....	.....	11,439	.....
Nursery products, total.....	313	0.2	3,034	1,840	642,774	338,544
Farms reporting a product of \$250 or over.....	61	(²)	.....	.....	625,143	.....
All other farms.....	252	0.1	.....	.....	17,631	.....

¹ Does not include 12,660 farms which reported that they had vegetable gardens, but gave no information as to their products.

² Less than one-tenth of 1 per cent.

In 1909 the total acreage of potatoes and other vegetables was 456,368 and their value \$16,201,328. Excluding (so far as reported separately¹) potatoes and sweet potatoes and yams, the acreage of vegetables was 90,861 and their value \$6,287,000, both acreage and value being materially greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were, in 1909, 1,401 farms in the first class, containing about one-eighth of the total acreage of vegetables, and contributing about one-fourth of the total value, the average acreage of vegetables per farm for these farms being 8.5 and the average value of product per acre \$128.08.

The raising of flowers and plants and of nursery products is also of some importance in Michigan, 3,736 acres being devoted to them in 1909, and the output being valued at \$1,786,538. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting, 1909	ACRES.		Quantity (quarts), 1909	Value, 1909
		1909	1899		
		Small fruits, total.....	21,419			29,197	27,215,659	$2,028,885
Strawberries.....	16,798	8,051	10,837	14,218,768	1,000,788
Blackberries and dewberries..	4,707	2,973	4,385	3,075,954	218,174
Raspberries and loganberries..	11,075	8,786	10,193	8,381,943	695,019
Currants.....	3,458	609	2,286	768,259	58,288
Gooseberries.....	1,637	297	559	403,680	28,932
Cranberries.....	91	202	150	125,536	6,992
Other berries.....	141	501	787	240,519	20,672

Strawberries are by far the most important of the small fruits raised in Michigan, with raspberries and loganberries ranking next, and blackberries and dewberries ranking third. The total acreage of small fruits in 1909 was 21,419 and in 1899, 29,197, a decrease of 26.6 per cent. The production in 1909 was 27,215,000 quarts, as compared with 40,168,000 quarts in 1899, and the value \$2,029,000, as compared with \$1,680,000.

Orchard fruits, grapes, and nuts: 1909 and 1899.—The next table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 15,220,000 bushels, valued at \$9,021,000. Apples contributed about four-fifths of this quantity, peaches and nectarines and pears most of the remainder. The production of grapes in 1909 amounted to 120,696,000 pounds, valued at \$1,531,000, and of nuts to 961,000 pounds, valued at \$19,000. Most of the nuts consisted of black walnuts, hickory nuts, and butternuts.

The production of all orchard fruits together in 1909 was 54.4 per cent more than in 1899, while the production of grapes was about three times as great in 1909 as in 1899. The value of orchard fruits increased from \$3,676,000 in 1899 to \$9,021,000 in 1909, and of grapes from \$503,000 in 1899 to \$1,531,000 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

CROP.	TREES OR VINES OF BEARING AGE, 1910		TREES OR VINES NOT OF BEARING AGE, 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. ¹	Value.	Quantity. ¹
Orchard fruits, total.....	12,842,827	6,679,949	15,220,104	\$9,020,842	9,859,862		
Apples.....	153,026	7,534,343	87,840	2,253,072	12,332,296	5,969,080	8,931,569
Peaches and nectarines.....	47,060	2,907,170	28,377	2,991,090	1,086,586	1,700,330	339,637
Pears.....	75,567	1,136,151	20,058	623,931	606,023	535,771	170,702
Plums and prunes.....	49,498	464,917	25,331	253,479	181,188	205,705	213,682
Cherries.....	73,913	760,183	29,792	540,580	338,945	590,829	104,541
Apricots.....	1,512	4,447	751	2,450	1,508	2,127	780
Quinces.....	7,283	35,461	2,508	15,302	13,484	16,858	(²)
Mulberries.....	38	155	16	45	74	82	(²)
Unclassified.....							³ 9,001
Grapes.....	41,485	11,013,570	11,040	1,869,648	120,696,997	1,531,057	41,530,369
Nuts, total.....	437,297	47,500	4961,137	418,956	470,700		
Black walnuts.....	2,429	16,105	401	3,520	540,779	7,804	(²)
Butternuts.....	613	2,929	64	845	112,438	1,552	(²)
Chestnuts.....	152	3,174	34	867	23,369	2,762	(²)
Hickory nuts.....	1,655	14,943	88	2,513	270,015	6,681	(²)
Unclassified.....							³ 470,700

¹ Expressed in bushels for orchard fruits and pounds for grapes and nuts.

² Included with "unclassified."

³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."

⁴ Includes almonds, pecans, filberts, hazelnuts, sweet nuts, beechnuts, and other nuts.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING, 1909		QUANTITY PRODUCED.		
	Number.	Percent of all farms.	Unit.	1909	1899
Cider.....	42,603	20.6	Gals....	3,386,138	2,295,562
Vinegar.....	12,650	6.1	Gals....	602,697	434,574
Wine and grape juice.....	4,259	2.1	Gals....	199,030	134,350
Dried fruits.....	818	0.4	Lbs....	48,328	143,330

Sugar crops: 1909 and 1899.—The next table shows data with regard to maple trees and their products and for sugar beets, as well as for sorghum cane, which in this state is unimportant. The value of sugar beets produced in 1909 was \$4,014,000, as compared with \$877,000 in 1899, while the value of maple sugar and sirup produced in 1909 was \$334,000, as compared with \$101,000 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Num-ber.	Percent of all farms.		Amount.	Unit.	Value.
Maple sugar and sirup:						
Total, 1909.....	6,542	3.2	1986,737			\$333,791
Sugar made.....	1,308	0.6		293,301	Lbs.....	35,341
Sirup made.....	6,369	3.1		269,093	Gals.....	298,450
Total, 1899.....	3,168	1.6				100,596
Sugar made.....				302,715	Lbs.....	28,693
Sirup made.....				82,997	Gals.....	73,903
Sugar beets:						
1909 ²	14,690	7.1	78,779	707,639	Tons.....	4,014,123
1899.....	9,085	4.5	40,247	215,373	Tons.....	877,481
Sorghum cane:						
Total, 1909 ³						18,595
Cane grown.....	1,251	0.6	416	2,765	Tons.....	
Sirup made.....	1,223	0.6		21,350	Gals.....	12,826
Total, 1899.....						10,486
Cane grown.....	1,276	0.6	377	2,787	Tons.....	
Cane sold as such.....				198	Tons.....	604
Sirup made.....				24,059	Gals.....	9,882

¹ Number of trees.
² Includes beets used as root forage.
³ Includes cane used as coarse forage.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the “value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909 whether used on farm, sold, or on hand April 15, 1910;” and also, in a separate item, for the “amount received from sale of standing timber in 1909.” There were

90,365 farms in Michigan (43.7 per cent of all farms in the state), which reported forest products in 1909, the total value of such products being \$7,911,901, as compared with \$7,530,369 in 1899, an increase of 5.1 per cent. Of the value in 1909, \$4,380,879 was reported as that of products used or to be used on the farms themselves, \$2,879,437 as that of products sold or for sale, and \$651,585 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 26 farmers reported the sale of 145 tons of flax fiber, valued at \$1,418, and 15 farmers reported the sale of 120 tons of flax straw, valued at \$1,195. In addition, 4,496 farmers in Michigan sold, during 1909, 31,196 tons of straw, for which they received \$140,839, and that 3,496 farmers sold 13,905 tons of cornstalks and leaves, for which they received \$59,921.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

EXPENSE.	1909		Amount.	1899	INCREASE.	
	Farms reporting.				Amount.	Per cent.
	Number.	Percent of all farms.	Amount.	Amount.		
Labor.....	111,842	54.0	\$19,063,082	\$10,717,220	\$8,345,862	77.9
Feed.....	75,882	36.7	5,682,916	(¹)		
Fertilizer.....	31,327	15.1	945,354	492,360	452,994	92.0

¹ Not reported at the census of 1900.

Over one-half of the farmers of Michigan hire labor, and the average amount expended by those hiring is \$170.45. More than one-fifth of this amount is in the form of rent and board. The total amount expended in 1909 was nearly 78 per cent greater than in 1899. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

Thirty-seven farmers out of every one hundred report some expenditure for feed, while only fifteen

out of every one hundred report the purchase of fertilizer. Nearly twice as much was spent in 1909 for fertilizer as in 1899, and the average expenditure per farm for those reporting is \$30.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total.....					\$12,234,203
Corn.....	21,747	10.5	2,869,955	Bu.....	1,079,307
Oats.....	42,193	20.4	7,910,857	Bu.....	3,432,668
Barley.....	2,009	1.0	153,310	Bu.....	87,738
Hay and coarse forage.....	46,702	22.6	632,793	Tons...	7,034,400

While the total amount expended by Michigan farmers for the purchase of feed in 1909 was \$5,683,000, the total receipts from the sale of feed by those reporting sales amounted to \$12,234,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Changes in 1900 figures.—After the volumes of the Twelfth Decennial United States Census (1900) had

been printed, a further detailed study and analysis of the data there presented brought to light certain errors in the total farm acreage of Hillsdale County. The corrected acreage is 377,341, and not 390,614 as shown in the county tables.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.
1 Population.....	2,810,173	5,703	7,675	39,819	19,965	15,692
2 <i>Population in 1900.....</i>	<i>2,420,982</i>	<i>5,691</i>	<i>5,383</i>	<i>38,812</i>	<i>18,264</i>	<i>16,698</i>
3 Number of all farms.....	206,960	384	278	6,217	1,326	1,641
4 <i>Number of all farms in 1900.....</i>	<i>203,281</i>	<i>743</i>	<i>124</i>	<i>6,089</i>	<i>1,187</i>	<i>1,233</i>
5 Color and nativity of farmers:						
6 Native white.....	147,790	383	70	4,754	514	1,039
7 Foreign-born white.....	53,224	496	208	1,396	811	696
8 Negro and other nonwhite.....	946	5	.....	67	1	6
9 Number of farms, classified by size:						
10 Under 3 acres.....	387	.....	.....	5	2	4
11 3 to 9 acres.....	6,679	4	2	195	3	21
12 10 to 19 acres.....	7,719	8	9	323	7	44
13 20 to 49 acres.....	49,890	203	123	1,910	293	449
14 50 to 99 acres.....	73,748	351	78	2,299	557	657
15 100 to 174 acres.....	50,622	226	45	1,161	333	351
16 175 to 259 acres.....	12,426	54	8	233	85	76
17 260 to 499 acres.....	4,717	26	5	78	36	82
18 500 to 999 acres.....	607	6	1	8	7	7
19 1,000 acres and over.....	165	6	2	5	3	.....
LAND AND FARM AREA						
20 Approximate land area.....acres	36,787,200	437,760	588,800	533,120	373,760	304,000
21 Land in farms.....acres	18,940,614	104,732	29,539	472,708	147,976	145,430
22 <i>Land in farms in 1900.....acres</i>	<i>17,661,698</i>	<i>60,733</i>	<i>14,533</i>	<i>461,066</i>	<i>120,265</i>	<i>109,327</i>
23 Improved land in farms.....acres	12,832,078	38,037	5,643	354,105	51,403	78,310
24 <i>Improved land in farms in 1900.....acres</i>	<i>11,799,250</i>	<i>23,391</i>	<i>2,290</i>	<i>338,514</i>	<i>33,293</i>	<i>56,624</i>
25 Woodland in farms.....acres	2,927,554	19,687	20,255	64,556	23,209	38,366
26 Other unimproved land in farms.....acres	3,180,982	47,008	3,641	54,047	73,364	28,254
27 Per cent of land area in farms.....	51.5	23.9	5.0	88.7	39.6	47.8
28 Per cent of farm land improved.....	67.8	36.3	19.1	74.9	34.7	54.2
29 Average acres per farm.....	91.5	118.5	106.3	76.0	111.6	88.6
30 Average improved acres per farm.....	62.0	43.0	20.3	57.0	38.8	48.0
VALUE OF FARM PROPERTY						
31 All farm property.....dollars	1,088,858,370	2,485,841	814,237	32,108,556	3,338,255	4,861,093
32 <i>All farm property in 1900.....dollars</i>	<i>690,565,734</i>	<i>999,636</i>	<i>153,338</i>	<i>19,350,228</i>	<i>1,830,093</i>	<i>2,447,490</i>
33 Per cent increase, 1900-1910.....	57.7	148.7	430.9	61.8	82.4	98.6
34 Land.....dollars	615,258,348	1,336,190	514,250	17,903,302	1,600,843	2,539,580
35 <i>Land in 1900.....dollars</i>	<i>423,569,850</i>	<i>601,910</i>	<i>55,290</i>	<i>12,225,260</i>	<i>938,470</i>	<i>1,273,210</i>
36 Buildings.....dollars	285,879,951	586,846	171,425	8,983,970	863,105	1,332,640
37 <i>Buildings in 1900.....dollars</i>	<i>168,947,760</i>	<i>194,120</i>	<i>27,030</i>	<i>4,856,110</i>	<i>301,090</i>	<i>666,250</i>
38 Implements and machinery.....dollars	49,916,285	155,845	45,778	1,409,118	234,243	290,831
39 <i>Implements, etc., in 1900.....dollars</i>	<i>28,795,930</i>	<i>71,840</i>	<i>10,740</i>	<i>825,280</i>	<i>122,390</i>	<i>159,950</i>
40 Domestic animals, poultry, and bees.....dollars	1,137,803,795	406,960	82,784	3,812,166	550,064	692,042
41 <i>Domestic animals, etc., in 1900.....dollars</i>	<i>79,042,644</i>	<i>231,816</i>	<i>50,328</i>	<i>1,945,593</i>	<i>357,603</i>	<i>448,100</i>
42 Per cent of value of all property in—						
43 Land.....	56.5	53.7	63.2	55.8	50.7	52.2
44 Buildings.....	26.3	23.6	21.1	28.0	25.9	27.4
45 Implements and machinery.....	4.6	6.3	5.6	4.4	7.0	6.1
46 Domestic animals, poultry, and bees.....	12.7	16.4	10.2	11.9	16.5	14.2
47 Average values:						
48 All property per farm.....dollars	5,261	2,812	2,929	5,165	2,518	2,962
49 Land and buildings per farm.....dollars	4,354	2,175	2,466	4,325	1,926	2,360
50 Land per acre.....dollars	32.48	12.76	17.41	37.87	11.43	17.46
51 <i>Land per acre in 1900.....dollars</i>	<i>24.12</i>	<i>8.28</i>	<i>5.87</i>	<i>26.51</i>	<i>8.22</i>	<i>12.08</i>
DOMESTIC ANIMALS (farms and ranges)						
52 Farms reporting domestic animals.....	196,655	824	222	5,815	1,244	1,600
53 Value of domestic animals.....dollars	131,746,348	396,135	79,570	3,610,668	535,564	652,789
54 Cattle:						
55 Total number.....	1,497,823	5,643	1,025	44,187	8,134	8,908
56 Dairy cows.....	767,083	2,736	480	24,213	4,050	4,161
57 Other cows.....	106,801	400	90	2,804	663	772
58 Yearling heifers.....	205,000	831	182	6,182	1,291	1,569
59 Calves.....	236,060	1,008	196	7,014	1,291	1,498
60 Yearling steers and bulls.....	119,263	488	68	2,888	634	704
61 Other steers and bulls.....	63,626	180	9	1,086	205	204
62 Value.....dollars	40,500,318	115,023	31,248	1,225,483	159,853	200,649
63 Horses:						
64 Total number.....	610,033	1,941	299	17,359	2,975	3,389
65 Mature horses.....	560,936	1,773	293	16,107	2,701	3,151
66 Yearling colts.....	41,474	160	4	1,018	254	204
67 Spring colts.....	7,623	8	2	234	20	34
68 Value.....dollars	71,312,474	234,118	45,746	1,968,743	329,344	400,265
69 Mules:						
70 Total number.....	3,700	6	.....	130	2	36
71 Mature mules.....	3,329	6	.....	122	2	20
72 Yearling colts.....	309	.....	.....	7	.....	9
73 Spring colts.....	62	.....	.....	1	.....	7
74 Value.....dollars	493,825	485	.....	20,110	70	3,364
75 Asses and burros:						
76 Number.....	233	1	.....	8	.....	5
77 Value.....dollars	23,932	10	.....	929	.....	1,430
78 Swine:						
79 Total number.....	1,245,833	1,741	225	32,573	3,743	4,316
80 Mature hogs.....	655,921	1,207	124	16,851	2,469	2,971
81 Spring pigs.....	589,912	534	101	15,722	1,284	1,345
82 Value.....dollars	9,755,042	14,066	2,509	278,658	24,111	36,570
83 Sheep:						
84 Total number.....	2,306,476	8,267	9	27,891	5,785	2,658
85 Rams, ewes, and wethers.....	1,545,241	5,598	9	19,179	4,063	1,911
86 Spring lambs.....	761,235	2,669	.....	8,712	1,722	747
87 Value.....dollars	9,646,565	32,383	76	116,329	21,925	10,394
88 Goats:						
89 Number.....	5,080	7	.....	122	53	34
90 Value.....dollars	14,192	50	.....	416	261	117
POULTRY AND BEES						
91 Number of poultry of all kinds.....	9,967,039	22,113	5,528	321,956	31,587	51,800
92 Value.....dollars	5,610,958	9,992	3,205	188,166	12,579	27,170
93 Number of colonies of bees.....	115,274	157	.....	3,835	342	2,531
94 Value.....dollars	446,464	833	.....	13,332	1,921	12,083

¹ Includes deer, valued at \$25.

AGRICULTURE—MICHIGAN.

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.
1	9,640	6,127	22,033	68,238	10,638	53,622	25,605	56,638	20,624	19,157	17,872	24,472	9,240
2	<i>9,321</i>	<i>4,320</i>	<i>22,514</i>	<i>62,378</i>	<i>9,635</i>	<i>49,165</i>	<i>27,311</i>	<i>49,315</i>	<i>20,376</i>	<i>13,956</i>	<i>15,516</i>	<i>21,338</i>	<i>8,800</i>
3	1,440	412	3,423	3,233	1,245	5,252	3,373	3,761	2,556	1,400	1,499	1,399	1,302
4	<i>1,186</i>	<i>241</i>	<i>3,423</i>	<i>3,103</i>	<i>949</i>	<i>5,094</i>	<i>3,475</i>	<i>4,100</i>	<i>2,609</i>	<i>1,295</i>	<i>1,164</i>	<i>1,056</i>	<i>863</i>
5	731	47	3,116	1,680	938	3,805	3,121	3,359	2,227	909	793	218	921
6	697	353	308	1,547	297	1,422	253	390	143	532	695	1,176	381
7	12	12	4	6	10	25	4	12	186	19	11	5	.....
8	.....	.....	5	13	1	12	3	14	3	2	2	2	.....
9	25	10	110	169	57	341	129	121	107	47	33	21	9
10	41	17	103	180	65	706	154	137	97	39	56	13	12
11	543	136	607	1,239	398	1,859	621	574	308	452	536	239	322
12	506	120	1,220	1,093	388	1,316	1,253	1,095	670	479	495	491	453
13	240	110	1,023	436	245	739	932	1,243	846	324	290	435	318
14	45	11	260	72	66	139	210	410	341	52	54	122	87
15	28	8	94	23	24	80	66	154	116	29	29	61	72
16	.....	.....	6	7	1	.....	10	13	6	6	4	8	17
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	239,360	586,880	355,840	283,520	200,960	364,160	318,080	443,520	315,520	263,040	464,000	1,006,720	372,480
19	<i>114,176</i>	<i>34,344</i>	<i>330,836</i>	<i>213,222</i>	<i>98,598</i>	<i>333,326</i>	<i>300,489</i>	<i>411,801</i>	<i>295,435</i>	<i>127,625</i>	<i>120,418</i>	<i>170,237</i>	<i>164,905</i>
20	79,733	29,058	542,137	196,343	67,314	540,390	309,246	420,660	307,361	104,030	96,689	121,297	32,256
21	55,571	252,207	142,635	45,850	209,074	228,379	310,968	224,140	61,537	59,925	79,336	53,921	79,336
22	<i>35,520</i>	<i>6,506</i>	<i>251,826</i>	<i>120,605</i>	<i>50,551</i>	<i>253,364</i>	<i>237,333</i>	<i>321,221</i>	<i>232,001</i>	<i>45,070</i>	<i>36,379</i>	<i>43,374</i>	<i>23,420</i>
23	29,191	19,433	47,057	37,354	26,905	39,421	29,934	35,381	43,662	27,154	22,486	50,488	34,295
24	<i>20,414</i>	<i>6,067</i>	<i>37,572</i>	<i>33,233</i>	<i>22,707</i>	<i>24,331</i>	<i>48,176</i>	<i>62,452</i>	<i>27,033</i>	<i>33,334</i>	<i>47,007</i>	<i>40,413</i>	<i>76,689</i>
25	47.7	5.9	94.7	75.2	40.1	91.5	96.4	92.8	93.6	48.5	26.0	17.5	44.3
26	48.7	26.8	74.9	66.9	49.6	30.7	74.5	75.5	75.9	48.3	42.3	45.0	32.7
27	79.3	84.0	98.3	66.0	79.2	63.5	60.7	109.5	115.6	37.4	30.3	126.0	120.7
28	33.6	22.7	73.6	44.1	39.2	51.2	67.6	82.7	87.7	42.2	34.0	56.7	41.4
29	3,949,878	1,145,632	18,683,292	13,578,516	3,568,730	34,518,200	21,642,944	25,691,237	18,147,622	3,943,507	3,440,314	5,030,568	3,772,643
30	<i>1,523,841</i>	<i>360,398</i>	<i>12,371,669</i>	<i>9,016,945</i>	<i>1,400,316</i>	<i>22,665,285</i>	<i>14,436,339</i>	<i>18,729,349</i>	<i>12,808,211</i>	<i>2,309,833</i>	<i>1,929,407</i>	<i>2,166,569</i>	<i>1,193,633</i>
31	159.2	217.9	46.6	50.6	144.3	52.3	49.4	37.2	41.7	70.7	73.3	133.3	214.5
32	2,088,245	600,780	9,959,541	7,617,245	2,041,780	21,610,020	12,268,117	14,614,135	11,309,326	1,956,215	1,667,961	2,856,832	2,212,545
33	<i>799,020</i>	<i>186,940</i>	<i>7,732,010</i>	<i>5,610,130</i>	<i>830,750</i>	<i>15,256,230</i>	<i>8,794,170</i>	<i>11,283,560</i>	<i>8,619,530</i>	<i>1,200,540</i>	<i>1,059,470</i>	<i>1,200,890</i>	<i>637,730</i>
34	1,015,125	331,835	5,110,760	3,322,255	925,340	8,974,316	5,814,355	6,840,642	4,204,443	1,142,380	994,930	1,086,338	794,735
35	<i>314,580</i>	<i>90,470</i>	<i>2,314,100</i>	<i>1,334,320</i>	<i>359,580</i>	<i>5,077,770</i>	<i>3,514,080</i>	<i>4,305,800</i>	<i>2,593,530</i>	<i>545,490</i>	<i>428,080</i>	<i>522,730</i>	<i>227,300</i>
36	219,489	78,563	911,143	800,557	133,456	1,198,355	853,947	1,041,981	602,613	223,816	253,563	344,505	179,613
37	<i>110,060</i>	<i>25,240</i>	<i>658,050</i>	<i>465,550</i>	<i>81,230</i>	<i>718,530</i>	<i>621,740</i>	<i>698,730</i>	<i>417,700</i>	<i>149,980</i>	<i>125,350</i>	<i>146,760</i>	<i>56,990</i>
38	627,039	134,434	2,701,843	1,829,459	418,124	2,735,009	2,701,525	3,194,479	2,031,240	616,096	523,355	732,893	585,170
39	<i>300,231</i>	<i>57,748</i>	<i>1,467,409</i>	<i>1,006,945</i>	<i>102,258</i>	<i>1,633,205</i>	<i>1,029,349</i>	<i>1,961,270</i>	<i>1,177,451</i>	<i>413,373</i>	<i>310,047</i>	<i>480,630</i>	<i>257,333</i>
40	52.9	52.4	53.3	56.1	57.2	62.6	56.7	56.9	62.3	49.6	48.5	56.8	58.6
41	25.7	29.0	27.4	24.5	25.9	26.0	26.9	26.6	23.2	29.0	28.9	21.8	21.1
42	5.6	6.9	4.9	6.0	5.1	3.5	4.0	4.1	3.3	5.8	7.4	6.8	4.3
43	15.9	11.7	14.5	13.5	11.7	7.9	12.5	12.4	11.2	15.6	15.2	14.6	15.5
44	2,743	2,781	5,450	4,200	2,866	6,572	6,407	6,831	7,100	2,701	2,295	3,590	2,898
45	2,155	2,264	4,398	3,384	2,383	5,823	5,353	5,705	6,070	2,122	1,770	2,826	2,310
46	13.29	17.24	29.57	35.72	20.71	64.83	40.03	35.49	38.28	15.33	13.85	16.21	13.42
47	<i>10.01</i>	<i>6.43</i>	<i>22.60</i>	<i>28.57</i>	<i>12.25</i>	<i>44.33</i>	<i>28.44</i>	<i>26.40</i>	<i>27.99</i>	<i>11.44</i>	<i>11.07</i>	<i>9.95</i>	<i>8.00</i>
48	1,346	349	3,320	3,129	1,059	4,944	3,365	3,679	2,467	1,312	1,313	1,290	1,206
49	<i>607,391</i>	<i>130,025</i>	<i>2,581,825</i>	<i>1,764,920</i>	<i>397,925</i>	<i>2,598,404</i>	<i>2,568,626</i>	<i>3,051,719</i>	<i>1,935,127</i>	<i>580,978</i>	<i>501,077</i>	<i>712,927</i>	<i>564,095</i>
50	9,068	1,771	25,099	24,197	4,605	23,319	22,497	32,579	16,354	8,052	6,682	9,053	6,752
51	4,363	787	12,204	12,454	2,362	14,168	11,708	15,877	9,059	3,834	3,368	4,645	3,037
52	497	194	1,635	1,833	401	1,562	1,464	2,417	1,225	583	297	447	444
53	1,359	255	3,616	3,183	606	2,940	2,716	3,737	2,124	1,310	1,081	1,299	994
54	1,886	389	3,793	4,352	677	3,173	3,282	4,341	2,548	1,450	1,212	1,599	1,164
55	817	108	2,491	1,856	376	858	1,939	2,842	886	656	555	637	776
56	146	38	1,355	499	183	609	1,388	3,365	512	219	160	226	337
57	199,636	48,417	689,116	594,970	110,697	716,310	605,588	933,987	467,233	182,919	151,153	214,047	159,227
58	3,185	492	11,172	8,758	2,185	13,469	11,323	13,670	9,190	2,900	2,700	3,248	2,794
59	2,862	485	10,224	7,897	2,085	12,535	10,344	12,667	8,436	2,745	2,550	2,954	2,629
60	300	7	771	729	93	717	821	775	602	139	130	260	246
61	23	177	132	132	7	207	158	228	152	16	10	34	19
62	346,546	79,517	1,300,937	1,048,723	261,266	1,568,497	1,238,588	1,466,663	1,082,266	344,364	314,048	448,868	308,784
63	3	1	96	25	13	143	103	88	80	10	5	3	28
64	3	1	84	21	13	132	90	80	74	10	5	8	27
65	.....	.....	10	3	.....	9	10	6	5	.....	.....	.....	.....
66	.....	.....	2	1	.....	2	3	2	.....	.....	.....	.....	.....
67	275	30	13,760	2,160	1,800	20,195	12,075	9,832	11,655	890	405	1,080	3,160
68	.....	.....	1	3	.....	15	.....	.....	3	.....	.....	.....	.....
69	.....	.....	25	490	.....	2,379	.....	.....	395	.....	.....	.....	.....
70	3,599	185	33,326	12,353	2,185	25,422	42,669	45,076	30,360	3,586	3,071	2,488	3,223
71	2,106	113	15,185	6,478	1,767	13,795	19,082	20,994	15,923	2,236	2,105	1,461	1,929
72	1,493	72	18,141	5,875	418	11,627	23,587	24,082	14,437	1,350	966	1,027	1,204
73	27,010	1,950	269,600	92,348	20,662	212,605	321,661	348,847	243,009	34,333	26,830	21,181	24,074
74	3,136	16	73,518	5,823	905	16,507	77,147	74,817	30,448	5,009	2,007	6,180	15,679
75	5,083	14	48,502	3,699	731	10,925	50,733	47,576	21,958	2,993	1,307	4,276	11,493
76	3,053	2	25,016	2,124	174	5,582	26,414	27,241	8,490	2,011	700	1,904	4,211
77	33,999	111	308,036	26,101	3,940	78,048	330,573	292,130	130,161	18,411	8,501	27,642	68,204
78	3	.....	137	58	37	44	72	166	137	23	20	19	28
79	25	.....	351	128	160	370	141	541	403	56	90	109	56
80	36,789	8,139	193,685	121,831	34,021	217,597	227,065	221,353	149,540	49,548	35,630	35,455	37,323
81	<i>17,128</i>	<i>4,409</i>	<i>113,200</i>	<i>57,952</i>	<i>16,485</i>	<i>128,872</i>	<i>127,953</i>	<i>136,332</i>	<i>91,186</i>	<i>26,141</i>	<i>18,515</i>	<i>19,906</i>	<i>19,519</i>
82	706	.....	1,816	1,525	769	1,961	1,324	1,908	1,389	1,544	771	7	59
83	2,520	.....										

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.
1 Population	23, 129	3, 934	30, 108	20, 524	30, 499	18, 561	64, 555	8, 413
2 <i>Population in 1900.</i>	<i>26, 186</i>	<i>2, 948</i>	<i>23, 881</i>	<i>17, 890</i>	<i>31, 668</i>	<i>15, 881</i>	<i>41, 804</i>	<i>6, 664</i>
3 Number of all farms	3, 497	248	1, 128	235	3, 002	1, 457	3, 896	1, 395
4 <i>Number of all farms in 1900.</i>	<i>3, 777</i>	<i>228</i>	<i>868</i>	<i>118</i>	<i>4, 190</i>	<i>1, 184</i>	<i>4, 501</i>	<i>769</i>
5 Color and nativity of farmers:								
6 Native white	3, 073	170	274	48	3, 679	1, 014	3, 298	858
7 Foreign-born white	418	76	845	187	220	410	596	533
8 Negro and other nonwhite	6	2	9		3	33	2	4
9 Number of farms, classified by size:								
10 Under 3 acres	9	1	1	1	2	7	9	11
11 3 to 9 acres	77	1	13	3	111	33	131	12
12 10 to 19 acres	86	5	11	3	100	64	159	456
13 20 to 49 acres	573	63	292	90	804	418	670	544
14 50 to 99 acres	1, 204	63	419	63	1, 550	533	1, 350	286
15 100 to 174 acres	1, 093	64	275	40	1, 060	305	1, 113	62
16 175 to 259 acres	269	23	81	10	221	63	320	25
17 260 to 499 acres	92	15	30	13	50	27	124	7
18 500 to 999 acres	3	3	5	3	3	7	13	2
19 1,000 acres and over	1	6	1		1		1	7
LAND AND FARM AREA								
20 Approximate land area	365, 440	368, 000	748, 160	496, 640	365, 440	310, 400	419, 200	332, 160
21 Land in farms	351, 610	46, 610	112, 811	23, 480	345, 853	124, 072	388, 476	128, 698
22 <i>Land in farms in 1900.</i>	<i>356, 327</i>	<i>25, 818</i>	<i>87, 710</i>	<i>12, 395</i>	<i>351, 749</i>	<i>101, 701</i>	<i>400, 681</i>	<i>60, 878</i>
23 Improved land in farms	222, 259	10, 701	42, 932	8, 342	208, 897	54, 265	312, 978	54, 123
24 <i>Improved land in farms in 1900.</i>	<i>277, 651</i>	<i>7, 825</i>	<i>33, 087</i>	<i>6, 070</i>	<i>204, 533</i>	<i>38, 188</i>	<i>512, 220</i>	<i>26, 060</i>
25 Woodland in farms	33, 748	17, 022	35, 987	30, 271	4, 050	39, 255	39, 257	10, 021
26 Other unimproved land in farms	30, 633	18, 887	35, 892	10, 488	40, 085	20, 442	36, 241	63, 854
27 Per cent of land area in farms	96.2	12.7	15.1	4.7	94.6	40.3	92.7	38.7
28 Per cent of farm land improved	80.3	23.0	38.1	35.5	77.7	43.4	80.6	42.1
29 Average acres per farm	100.6	187.9	100.0	99.9	88.6	85.8	99.7	92.2
30 Average improved acres per farm	80.7	43.1	38.1	35.5	68.9	37.2	80.3	38.8
VALUE OF FARM PROPERTY								
31 All farm property	25, 550, 457	787, 245	3, 509, 854	941, 392	22, 896, 874	4, 084, 950	24, 974, 322	4, 072, 100
32 <i>All farm property in 1900.</i>	<i>16, 836, 491</i>	<i>251, 668</i>	<i>1, 737, 452</i>	<i>282, 676</i>	<i>16, 065, 393</i>	<i>2, 372, 504</i>	<i>18, 880, 467</i>	<i>1, 102, 036</i>
33 Per cent increase, 1900-1910	51.3	212.8	102.0	233.1	42.5	72.2	32.3	269.2
34 Land	14, 875, 812	490, 380	1, 742, 405	443, 805	12, 506, 039	2, 140, 330	13, 665, 970	2, 381, 222
35 <i>Land in 1900.</i>	<i>10, 476, 420</i>	<i>123, 060</i>	<i>381, 830</i>	<i>158, 210</i>	<i>9, 640, 530</i>	<i>1, 569, 000</i>	<i>11, 105, 430</i>	<i>699, 130</i>
36 Buildings	6, 405, 103	157, 900	906, 170	302, 825	6, 340, 790	1, 141, 385	7, 016, 100	852, 700
37 <i>Buildings in 1900.</i>	<i>3, 855, 330</i>	<i>45, 330</i>	<i>390, 330</i>	<i>68, 960</i>	<i>3, 045, 480</i>	<i>497, 010</i>	<i>4, 879, 160</i>	<i>206, 360</i>
38 Implements and machinery	1, 034, 594	50, 187	239, 206	70, 357	945, 634	234, 509	1, 024, 819	201, 336
39 <i>Implements, etc., in 1900.</i>	<i>630, 990</i>	<i>25, 010</i>	<i>136, 730</i>	<i>17, 760</i>	<i>661, 900</i>	<i>136, 490</i>	<i>702, 670</i>	<i>78, 040</i>
40 Domestic animals, poultry, and bees	3, 234, 943	88, 718	535, 073	124, 005	3, 104, 411	568, 666	3, 267, 433	636, 842
41 <i>Domestic animals, etc., in 1900.</i>	<i>1, 045, 401</i>	<i>58, 308</i>	<i>327, 068</i>	<i>67, 666</i>	<i>1, 816, 688</i>	<i>369, 804</i>	<i>2, 192, 807</i>	<i>218, 500</i>
42 Per cent of value of all property in—								
43 Land	58.2	62.3	49.6	47.1	54.6	52.4	54.7	58.5
44 Buildings	25.1	20.1	27.5	32.2	27.7	27.9	28.1	20.9
45 Implements and machinery	4.0	6.4	7.6	7.5	4.1	5.7	4.1	4.9
46 Domestic animals, poultry, and bees	12.7	11.3	15.2	13.3	13.6	13.9	13.1	15.6
47 Average values:								
48 All property per farm	7, 306	3, 174	3, 112	4, 006	5, 888	2, 804	6, 410	2, 919
49 Land and buildings per farm	6, 085	2, 614	2, 401	3, 175	4, 830	2, 252	5, 309	2, 318
50 Land per acre	42.30	10.52	15.45	18.88	36.16	17.13	35.18	18.52
51 <i>Land per acre in 1900.</i>	<i>29.40</i>	<i>4.21</i>	<i>9.41</i>	<i>11.16</i>	<i>27.41</i>	<i>15.46</i>	<i>27.72</i>	<i>9.84</i>
DOMESTIC ANIMALS (farms and ranges)								
52 Farms reporting domestic animals	3, 402	221	1, 053	209	3, 827	1, 321	3, 779	1, 296
53 Value of domestic animals	3, 103, 007	85, 330	517, 131	121, 601	2, 971, 600	541, 674	3, 133, 285	610, 600
54 Cattle:								
55 Total number	27, 823	1, 182	7, 142	1, 587	27, 806	7, 356	32, 255	7, 641
56 Dairy cows	13, 869	555	3, 468	785	13, 485	3, 800	16, 551	3, 562
57 Other cows	1, 841	142	698	117	2, 171	448	2, 091	536
58 Yearling heifers	3, 830	180	1, 031	249	3, 907	1, 074	4, 583	1, 230
59 Calves	4, 233	199	1, 207	286	3, 990	1, 242	5, 148	1, 386
60 Yearling steers and bulls	2, 752	65	437	87	2, 705	611	2, 622	662
61 Other steers and bulls	1, 248	41	301	63	1, 548	181	1, 260	205
62 Value	785, 319	27, 380	164, 582	40, 704	769, 191	180, 921	893, 165	182, 914
63 Horses:								
64 Total number	13, 063	463	2, 578	518	12, 084	2, 681	14, 117	3, 043
65 Mature horses	11, 790	445	2, 413	510	11, 864	2, 607	12, 978	2, 678
66 Yearling colts	1, 034	17	169	7	907	69	1, 013	341
67 Spring colts	239	1	6	1	213	5	126	24
68 Value	1, 525, 049	48, 255	327, 175	74, 911	1, 485, 654	320, 449	1, 652, 417	346, 012
69 Mules:								
70 Total number	105		2		129	6	94	12
71 Mature mules	92		2		111	6	86	12
72 Yearling colts	12				15		7	
73 Spring colts	1				3		1	
74 Value	15, 555		300		10, 705	500	12, 222	976
75 Asses and burros:								
76 Number	4				1		7	
77 Value	788				50		330	
78 Swine:								
79 Total number	42, 018	322	2, 054	528	30, 318	4, 067	28, 415	4, 258
80 Mature hogs	15, 873	247	1, 353	303	15, 361	2, 810	14, 313	2, 094
81 Spring pigs	26, 145	75	671	165	14, 957	1, 257	14, 102	2, 164
82 Value	284, 169	3, 278	19, 621	4, 876	238, 784	33, 033	215, 584	29, 250
83 Sheep:								
84 Total number	119, 087	1, 328	1, 578	309	115, 055	1, 605	83, 555	10, 973
85 Rams, ewes, and wethers	76, 353	1, 060	1, 002	193	77, 237	1, 020	58, 606	7, 255
86 Spring lambs	43, 694	268	576	116	37, 818	585	24, 949	3, 718
87 Value	491, 986	6, 417	5, 418	1, 108	461, 100	6, 748	359, 440	60, 791
88 Goats:								
89 Number	118		4	1	91	5	56	12
90 Value	201		35	2	176	23	117	49
POULTRY AND BEES								
91 Number of poultry of all kinds	223, 363	6, 467	35, 004	6, 179	220, 783	43, 909	199, 923	36, 037
92 Value	123, 442	3, 333	17, 939	3, 164	123, 123	24, 403	118, 121	18, 681
93 Number of colonies of bees	2, 694	10	1	20	2, 490	519	3, 683	1, 353
94 Value	8, 439	55	3	140	9, 628	2, 589	16, 027	7, 611

¹ See explanation for 1900 figures at close of text.

AGRICULTURE—MICHIGAN.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Gogebic.	Grand Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.
1	23,333	23,784	28,820	29,073	88,008	34,758	53,310	33,550	9,753	15,164	23,029	53,426	60,427
2	16,738	20,479	29,889	29,865	66,063	34,762	59,518	34,329	10,240	8,990	22,784	43,222	44,310
3	257	2,031	4,205	4,298	1,033	4,728	3,508	3,602	958	381	3,456	3,736	3,372
4	30	1,722	4,537	4,591	392	4,871	3,815	4,022	745	231	3,456	3,360	3,308
5	18	1,533	3,734	4,117	120	1,907	3,210	3,261	468	69	2,497	3,320	2,830
6	239	496	460	179	912	2,820	293	340	488	312	890	402	537
7		2	11	2	1	1	5	1	2		69	5	5
8	1	5	3	3	1		7	12	1		1	8	47
9	11	40	100	190	2	55	149	104	8		3	59	312
10	28	47	121	184	3	69	132	100	7		10	52	167
11	149	574	1,206	847	415	856	623	680	238	164	972	487	512
12	48	771	1,740	1,667	331	1,948	1,225	1,246	341	105	1,397	999	944
13	16	443	841	1,103	182	1,416	1,024	1,091	212	86	767	1,246	910
14	2	103	133	230	36	275	259	272	48	9	149	453	337
15		43	54	67	27	92	75	87	32	4	47	197	133
16	2	5	6	6	5	13	9	9	11		10	7	9
17			1	1	5	5	1	1	10		1	1	1
18	725,120	298,880	370,560	382,080	652,100	546,560	353,920	370,560	364,800	738,000	366,080	452,480	359,680
19	13,119	176,651	333,148	372,630	93,857	471,995	333,095	351,505	112,710	29,368	293,099	422,507	331,014
20	3,701	138,649	322,652	1,300,614	48,453	436,090	346,444	355,466	65,559	26,079	186,062	186,215	339,557
21	4,742	109,378	243,899	292,914	35,921	359,731	245,078	277,830	40,735	9,063	193,124	304,357	237,138
22	1,044	85,493	221,068	297,181	18,193	307,044	255,088	270,503	25,166	6,220	152,662	315,013	207,049
23	2,158	38,178	45,589	45,525	81,779	52,445	34,654	39,820	20,000	15,315	30,961	44,830	30,582
24	6,179	20,095	38,660	34,191	26,160	62,610	50,363	33,805	45,015	6,045	74,014	73,231	32,594
25	1.8	59.1	80.9	97.5	14.4	86.4	94.1	94.9	30.9	3.8	81.4	93.4	92.0
26	36.1	61.9	74.7	78.6	38.3	76.6	74.5	79.1	36.1	30.7	64.8	72.0	80.7
27	61.0	87.0	79.2	86.7	90.9	99.3	95.0	97.6	117.7	77.1	86.3	113.1	98.2
28	18.5	53.9	59.2	68.2	34.8	75.4	70.7	77.1	42.5	23.6	55.9	81.5	79.2
29	852,988	8,476,299	22,208,618	27,210,325	3,866,719	26,262,449	21,886,869	23,217,892	2,707,404	1,277,764	15,813,417	25,722,310	23,406,464
30	81,554	4,346,397	12,960,009	17,284,310	922,131	19,341,896	15,292,536	16,868,240	1,155,325	233,529	7,329,876	13,102,132	16,238,917
31	945.9	95.0	71.4	57.5	319.0	96.8	43.1	46.4	138.5	350.7	108.9	42.1	44.1
32	475,664	4,815,785	13,039,733	15,270,246	2,172,063	14,338,153	12,307,787	12,951,329	1,468,504	710,272	8,085,457	14,346,731	13,809,225
33	33,320	2,502,220	7,911,480	10,045,720	508,360	7,462,440	5,243,000	5,439,960	376,920	138,460	4,271,310	10,091,990	10,431,520
34	236,711	2,318,875	5,416,641	7,324,532	1,044,074	6,622,787	5,643,711	6,110,038	622,000	310,948	3,317,863	7,030,090	6,137,827
35	24,730	1,049,820	2,591,850	4,520,450	287,510	2,911,960	3,485,310	3,833,350	237,400	66,730	1,507,170	4,466,020	5,071,530
36	42,066	403,622	963,215	1,078,338	233,271	1,349,405	912,564	1,044,502	155,961	83,451	1,703,176	1,036,248	969,334
37	2,440	226,480	636,720	699,370	60,630	774,520	563,260	622,680	73,100	18,820	560,520	691,820	610,680
38	98,547	938,017	2,789,029	3,645,594	414,311	3,912,104	3,022,707	3,105,933	449,939	173,093	2,106,916	3,300,250	2,489,578
39	18,014	567,377	1,821,739	2,052,870	126,641	2,192,960	1,700,075	1,667,560	242,905	66,999	1,100,876	1,968,502	1,466,537
40	55.8	56.8	58.7	56.1	56.2	54.6	56.2	55.8	54.2	55.6	56.7	55.8	59.0
41	27.8	27.4	24.4	26.9	27.0	25.4	25.8	26.3	23.7	24.3	24.9	27.3	20.2
42	4.9	4.8	4.3	4.0	6.0	5.1	4.2	4.5	5.8	6.5	4.6	4.0	4.1
43	11.6	11.1	12.6	13.0	10.7	14.9	13.8	13.4	16.3	13.5	13.8	12.9	10.6
44	3,319	4,173	5,281	6,333	3,740	5,555	6,239	6,446	2,826	3,354	4,431	6,885	6,941
45	2,772	3,513	4,389	5,257	3,113	4,442	5,117	5,204	2,203	2,680	3,618	5,722	5,915
46	36.26	27.26	39.14	40.98	23.14	30.38	33.95	36.55	13.03	24.19	29.14	33.96	41.72
47	9.00	16.83	24.52	25.72	10.49	17.11	27.35	26.70	9.11	5.81	16.81	25.79	31.14
48	215	1,865	4,067	4,191	924	4,633	3,393	3,478	862	339	3,335	3,605	3,218
49	95,933	901,210	2,666,997	3,367,946	399,584	3,774,236	2,903,460	2,984,287	429,976	167,071	2,017,879	3,161,950	2,384,142
50	1,324	8,900	26,191	32,580	5,410	54,777	28,538	28,781	5,001	2,288	22,801	33,392	23,107
51	696	4,736	13,745	16,825	2,890	22,805	13,459	13,531	2,839	1,201	10,825	16,969	12,723
52	52	544	1,642	1,981	240	4,422	2,522	2,146	369	135	1,120	2,583	1,599
53	223	1,320	3,547	4,184	845	7,912	3,732	3,842	760	275	3,193	4,395	3,000
54	311	1,247	4,057	5,078	1,140	9,197	3,539	4,121	1,058	498	3,807	4,728	3,160
55	24	763	2,130	2,658	171	7,113	2,833	2,701	580	124	2,778	2,561	1,463
56	18	290	1,070	1,854	115	5,238	2,423	2,440	299	55	1,018	2,166	1,162
57	42,034	234,889	676,681	1,002,050	170,884	1,108,162	845,704	761,245	127,671	61,531	564,884	991,466	686,437
58	294	4,576	13,850	14,698	1,637	17,408	12,451	13,276	2,106	650	9,662	13,460	11,084
59	282	4,396	12,479	13,569	1,586	15,309	11,305	12,087	1,912	631	9,002	12,524	10,374
60	7	1,178	1,169	919	48	1,840	933	959	166	24	850	731	601
61	1	11	193	210	3	259	213	230	28	1	110	205	109
62	52,645	598,877	1,534,247	1,628,989	213,852	2,218,707	1,399,039	1,571,603	238,767	102,276	1,166,785	1,504,382	1,234,200
63	1	24	67	90	3	32	83	148	4		53	148	92
64	1	24	59	83	3	32	67	130	4		52	139	87
65			6	5			12	17			1	7	5
66			2	2			4	1			2	2	
67	175	3,970	8,010	13,115	350	4,710	10,070	18,685	325		6,502	22,285	13,815
68		3		3		12	3	3	1		9	7	26
69		70		75		76	55	790	50		1,325	170	150
70	41	5,293	27,195	55,245	1,136	23,131	30,132	31,542	1,894	332	14,415	39,711	28,636
71	32	3,602	13,942	24,990	820	14,588	14,739	16,418	1,049	234	7,557	19,762	14,767
72	9	1,691	13,253	30,255	316	8,543	15,343	15,124	845	98	6,858	19,949	13,879
73	472	47,640	198,591	392,302	14,001	165,926	211,075	249,639	14,791	3,000	108,729	323,677	234,525
74	108	3,948	59,608	80,771	89	37,251	107,453	89,587	9,265	40	40,350	75,217	40,990
75	64	2,619	40,316	53,912	62	25,153	72,147	59,773	6,591	23	26,133	54,508	27,272
76	44	1,329	19,292	26,859	27	12,098	35,306	29,814	2,674	17	14,237	20,649	13,718
77	597	15,723	248,637	331,236	459	186,473	407,136	381,497	45,357	254	169,407	319,396	164,900
78	2	15	336	85	8	70	288	223	2	2	87	64	23
79	10	50	831	179	38	182	321	828	15	10	247	83	115
80	3,619	66,034	220,364	303,806	20,466	275,519	195,347	203,552	22,820	10,924	153,760	220,179	164,754
81	2,614	33,688	113,413	170,783	14,727	127,977	110,657	112,776	11,702	6,017	82,419	140,719	100,714
82		683	2,639	2,215		2,336	2,425	2,340	560		1,725	1,988	1,379
83		3,110	8,619	6,835		9,891	8,590	8,870	2,261	5	6,618	6,572	4,722

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.
1	8,097	159,145	7,156	4,930	26,033	10,608	47,907	17,736	4,004
2	<i>7,153</i>	<i>189,714</i>	<i>8,217</i>	<i>4,957</i>	<i>27,641</i>	<i>10,556</i>	<i>48,408</i>	<i>19,664</i>	<i>2,983</i>
3	842	6,276	36	732	3,808	1,444	5,334	2,775	195
4	<i>679</i>	<i>6,554</i>	<i>22</i>	<i>625</i>	<i>4,051</i>	<i>1,395</i>	<i>5,662</i>	<i>5,082</i>	<i>144</i>
5	655	4,472	5	461	2,727	826	4,722	2,418	70
6	185	1,792	31	271	1,080	574	609	350	119
7	2	12			1	44	3		
8	1	23			5		10	2	
9	2	337		16	85	11	277	70	5
10	7	411	2	13	96	25	244	75	6
11	221	1,614	17	163	625	266	996	273	58
12	338	2,156	10	265	1,399	523	1,981	750	61
13	207	1,375	2	176	1,137	462	1,417	998	45
14	47	288	5	49	316	107	314	420	8
15	12	70		37	131	46	91	170	9
16	6	4		9	13	3	4	11	2
17	1			4	1	1			1
LAND AND FARM AREA									
18	366,720	550,400	354,560	370,560	426,240	216,320	475,520	363,520	588,800
19	80,501	486,043	2,731	87,730	400,452	159,303	462,052	399,075	20,732
20	<i>59,899</i>	<i>490,890</i>	<i>3,708</i>	<i>60,421</i>	<i>395,611</i>	<i>148,522</i>	<i>469,848</i>	<i>391,687</i>	<i>15,750</i>
21	42,563	365,717	1,236	33,334	266,802	83,512	379,503	217,304	7,820
22	<i>27,383</i>	<i>398,008</i>	<i>1,541</i>	<i>24,821</i>	<i>285,783</i>	<i>66,288</i>	<i>374,770</i>	<i>200,965</i>	<i>4,380</i>
23	16,611	69,618	475	25,541	51,108	57,731	58,837	47,117	8,871
24	21,327	50,708	1,020	28,305	52,542	17,700	28,632	54,594	3,835
25	22.0	88.3	0.8	23.7	93.9	73.6	97.2	96.0	3.5
26	52.9	75.2	45.3	38.6	74.1	52.6	82.2	70.9	38.2
27	95.6	77.4	75.9	119.8	105.2	110.3	80.0	125.8	106.3
28	50.5	58.3	34.3	46.3	77.9	58.0	71.2	89.1	40.6
VALUE OF FARM PROPERTY									
29	2,533,869	34,625,818	95,131	2,245,762	20,285,943	6,120,448	41,839,762	17,908,988	626,546
30	<i>1,265,685</i>	<i>23,008,449</i>	<i>60,410</i>	<i>1,001,068</i>	<i>13,865,093</i>	<i>3,479,103</i>	<i>25,593,766</i>	<i>15,982,871</i>	<i>249,494</i>
31	100.2	44.8	88.7	124.1	46.4	78.9	63.5	28.0	151.1
32	1,300,080	18,957,100	43,800	1,230,841	10,215,824	3,239,205	24,006,719	9,483,769	319,225
33	<i>674,070</i>	<i>15,030,870</i>	<i>28,580</i>	<i>646,590</i>	<i>8,017,410</i>	<i>1,808,760</i>	<i>15,406,740</i>	<i>8,595,500</i>	<i>187,660</i>
34	710,845	10,037,730	30,125	588,170	6,741,528	1,810,225	10,581,205	4,927,025	169,175
35	<i>295,390</i>	<i>5,744,890</i>	<i>8,870</i>	<i>208,140</i>	<i>5,434,170</i>	<i>917,770</i>	<i>6,559,100</i>	<i>5,375,560</i>	<i>60,970</i>
36	158,874	1,640,102	7,800	135,735	1,128,306	350,903	1,684,107	809,459	40,874
37	<i>88,660</i>	<i>931,530</i>	<i>4,260</i>	<i>64,200</i>	<i>593,700</i>	<i>193,380</i>	<i>566,490</i>	<i>498,010</i>	<i>16,550</i>
38	364,070	3,970,886	13,406	321,016	3,200,225	684,023	4,907,671	2,688,735	97,272
39	<i>209,695</i>	<i>2,231,769</i>	<i>8,700</i>	<i>184,038</i>	<i>1,807,783</i>	<i>459,128</i>	<i>2,791,870</i>	<i>1,519,961</i>	<i>44,634</i>
40	51.3	54.7	46.0	54.8	50.4	53.4	58.8	53.0	50.9
41	28.1	29.0	31.7	24.9	28.3	29.7	25.3	27.5	27.0
42	6.3	4.7	8.2	6.0	5.6	5.7	4.0	4.5	6.5
43	14.4	11.5	14.1	14.3	15.8	11.2	11.9	15.0	15.5
44	3,009	5,517	2,643	3,068	5,327	4,239	7,844	6,454	3,213
45	2,388	4,623	2,053	2,444	4,190	3,522	6,597	5,193	2,505
46	16.15	38.00	16.04	14.03	25.51	20.52	53.26	27.17	15.40
47	<i>11.85</i>	<i>30.63</i>	<i>7.71</i>	<i>9.03</i>	<i>20.87</i>	<i>15.56</i>	<i>32.98</i>	<i>24.44</i>	<i>10.02</i>
DOMESTIC ANIMALS (farms and ranges)									
48	778	5,989	33	679	3,724	1,361	5,154	2,685	164
49	<i>348,232</i>	<i>3,799,342</i>	<i>12,859</i>	<i>309,241</i>	<i>3,069,266</i>	<i>657,714</i>	<i>4,713,170</i>	<i>2,587,046</i>	<i>94,441</i>
50	4,227	44,922	140	4,508	34,315	9,456	49,923	26,657	1,039
51	2,118	25,015	61	2,054	16,323	4,618	25,924	13,280	550
52	239	2,733	39	451	2,140	689	2,901	2,850	64
53	645	6,147	17	661	4,879	1,336	6,059	4,234	153
54	716	7,474	9	703	5,893	1,381	8,663	2,569	202
55	407	2,603	13	402	3,552	926	3,135	2,274	103
56	102	950	1	237	1,529	506	3,241	1,460	22
57	102,575	1,202,151	4,965	104,008	886,333	192,172	1,655,709	882,043	31,872
58	1,788	17,404	64	1,675	13,588	3,336	18,181	10,321	376
59	1,695	16,205	63	1,440	12,371	3,171	16,759	9,554	354
60	84	996	1	129	1,069	143	1,134	645	22
61	203	2,033		6	148	22	288	122	
62	223,067	2,180,230	7,689	174,307	1,590,260	413,000	2,073,558	1,182,729	55,235
63	11	83		4	36	14	177	44	
64	11	78		4	32	13	160	35	
65		4			4	1	15	9	
66	1,625	12,652		460	4,540	1,660	23,875	5,525	
67	1	4			2	2	10	4	
68	50	210			55	60	2,810	525	
69	2,208	32,428	17	1,304	25,221	5,001	77,368	21,828	676
70	1,735	17,960	17	849	12,925	3,552	38,845	11,840	521
71	423	14,468		455	12,290	1,440	38,623	9,988	155
72	10,215	297,263	205	11,650	195,315	41,650	582,817	172,261	7,130
73	446	39,296		3,779	88,813	2,388	90,654	89,647	44
74	323	26,601		2,714	60,706	1,525	59,431	59,808	34
75	133	12,695		1,065	28,107	863	31,223	20,839	10
76	1,700	166,387		18,606	392,722	9,097	374,371	343,536	204
77		181		57	16	3	232	160	
78		449		210	61	75	536	427	
POULTRY AND BEES									
80	25,681	261,697	840	20,728	212,495	57,079	396,537	161,192	5,220
81	<i>13,203</i>	<i>155,117</i>	<i>547</i>	<i>10,224</i>	<i>118,454</i>	<i>25,019</i>	<i>245,896</i>	<i>94,865</i>	<i>2,831</i>
82	531	4,216		332	3,442	291	2,570	2,050	
83	2,635	16,427		1,551	12,505	1,292	8,599	6,824	

AGRICULTURE—MICHIGAN.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1903, in Italics.]

	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.
1	9,249	32,606	26,688	46,739	21,832	19,406	25,648	14,005	10,600	32,917	32,069	3,755	40,577
2	7,703	33,244	27,856	41,239	18,885	20,093	27,048	14,459	9,508	32,754	32,754	3,234	37,036
3	490	3,764	1,648	661	2,124	2,823	1,677	2,246	1,439	4,321	4,078	466	2,373
4	324	3,352	1,311	513	1,885	2,970	1,430	2,153	1,056	4,458	4,714	330	2,354
5	196	2,577	929	187	1,268	2,043	458	1,513	891	3,660	3,411	272	1,274
6	345	1,187	714	524	841	735	1,219	714	544	651	1,241	194	1,093
7	9		5		15	40		19	4	10	26		6
8		4	1	3	1	1	1			5	3		14
9	9	203	32	12	42	20	7	33	19	191	97	2	96
10	15	229	57	10	62	49	10	51	21	180	119	2	111
11	105	946	472	193	716	669	467	749	383	1,067	1,336	119	816
12	166	1,385	614	211	809	1,111	638	918	551	1,791	1,873	155	787
13	140	769	361	178	391	704	400	388	332	393	980	130	412
14	32	180	65	34	69	180	92	71	73	140	188	34	90
15	16	47	37	16	25	85	47	31	45	48	64	10	36
16	5	1	8	2	6	9	12	2	11	5	14	5	7
17	4		1	2	3	5	3	2	4	1	4	3	4
18	668,160	302,080	359,680	1,196,800	316,160	365,440	675,840	338,560	372,480	366,720	463,360	55,040	322,560
19	53,189	286,603	144,993	67,806	171,295	285,771	167,443	176,623	147,355	332,246	392,870	55,715	185,010
20	47,489	286,386	114,636	53,696	131,168	250,081	182,710	148,317	101,414	323,490	371,511	55,322	176,067
21	21,118	231,534	75,081	23,041	100,925	159,794	64,590	94,717	60,918	279,771	265,401	17,500	109,660
22	15,147	223,753	53,008	17,843	71,074	131,390	46,089	72,214	33,493	265,138	235,376	11,080	98,665
23	26,256	33,471	35,245	27,464	19,585	36,985	53,132	30,375	19,595	38,729	60,328	10,566	49,879
24	10,815	34,717	34,717	17,301	50,785	89,002	49,721	51,534	66,842	13,746	66,141	27,643	25,475
25	8.7	94.8	40.3	5.7	54.2	78.2	24.8	52.2	39.6	90.6	84.8	15.5	57.4
26	36.3	80.8	51.7	34.0	58.9	55.9	38.6	53.6	41.3	84.2	67.8	31.4	59.3
27	118.8	76.1	88.0	102.6	80.6	101.2	99.8	78.6	102.4	76.9	84.0	119.0	78.0
28	43.1	61.5	45.5	34.9	47.5	56.6	38.5	42.2	42.3	64.7	56.9	37.6	46.2
29	1,345,783	23,027,327	5,899,905	1,867,952	9,076,009	8,936,822	5,584,532	7,409,369	4,369,023	27,925,010	19,039,265	1,205,947	9,437,737
30	682,261	17,958,652	2,947,126	1,101,078	4,170,307	4,385,663	2,354,440	3,609,118	1,331,103	17,604,164	10,078,509	626,738	5,200,906
31	97.3	28.2	100.2	69.7	117.6	82.8	95.6	101.9	216.3	57.8	88.9	120.4	81.5
32	705,655	12,849,494	3,293,788	898,038	5,152,727	4,765,200	2,808,096	4,253,806	2,558,869	17,133,343	10,388,289	670,966	4,913,741
33	385,580	11,626,700	1,634,630	623,360	2,498,710	2,765,320	1,486,960	1,990,840	761,420	11,210,700	5,701,450	225,020	3,066,360
34	316,455	6,321,980	1,572,155	523,440	2,364,989	2,296,135	1,550,775	1,700,325	934,740	6,700,057	5,108,144	267,315	2,916,495
35	126,980	3,993,430	712,510	244,410	837,260	1,079,220	622,330	800,070	231,000	4,062,650	2,478,770	98,520	1,254,560
36	100,738	1,086,182	324,696	147,044	507,537	499,703	411,651	376,219	219,357	1,145,740	937,936	88,309	461,848
37	47,500	705,410	153,860	61,160	224,490	277,340	197,640	208,130	83,350	710,330	490,480	34,560	251,400
38	216,935	2,769,671	704,266	294,430	1,050,756	1,375,740	814,010	1,070,019	655,557	2,939,870	2,544,896	179,387	1,145,653
39	181,201	1,633,118	441,126	172,168	509,847	706,283	647,120	668,178	303,853	1,780,484	1,409,929	103,633	638,636
40	52.4	55.8	55.9	48.1	56.8	53.3	50.3	57.4	58.6	61.4	54.0	55.6	52.1
41	23.5	27.5	26.6	28.3	26.1	25.7	27.8	23.1	21.4	24.0	27.1	22.2	30.9
42	7.9	4.7	5.5	7.9	5.6	5.6	7.4	5.1	5.0	4.1	4.9	7.3	4.9
43	16.1	12.0	11.9	15.8	11.6	15.4	14.6	14.4	15.0	10.5	13.4	14.9	12.1
44	2,746	6,118	3,580	2,326	4,273	3,166	3,330	3,299	3,096	6,493	4,070	2,588	3,977
45	2,086	5,093	2,956	2,158	3,539	2,501	2,699	2,655	2,423	5,517	3,325	2,013	3,300
46	12.13	44.85	22.75	13.24	30.08	16.67	16.77	24.08	17.37	51.57	26.44	12.04	26.56
47	8.14	40.80	14.28	11.61	18.05	11.09	11.20	13.38	7.51	34.13	18.35	8.35	17.46
48	425	3,635	1,521	596	2,042	2,660	1,589	2,079	1,317	4,190	4,389	417	2,172
49	210,557	2,617,080	677,505	282,995	1,013,517	1,316,434	793,493	1,026,786	630,034	2,748,306	2,421,487	172,684	1,094,238
50	2,664	30,634	8,975	4,023	12,132	16,642	14,578	15,028	9,362	29,343	27,301	2,051	15,507
51	1,216	18,709	4,527	2,045	6,161	8,573	7,219	7,380	4,590	17,532	13,763	1,015	8,461
52	255	1,998	799	332	833	945	1,167	757	474	1,941	1,617	105	1,122
53	393	3,704	1,216	594	1,809	2,459	2,020	2,213	1,312	3,640	3,930	329	2,177
54	485	3,770	1,424	740	2,222	2,975	2,711	2,916	1,817	3,330	5,027	335	2,474
55	215	1,389	657	196	886	1,367	974	1,388	972	1,053	2,247	197	783
56	100	964	352	116	221	323	487	374	197	1,347	717	70	490
57	66,760	909,460	205,763	129,082	293,897	376,708	294,408	328,231	215,720	807,026	679,023	48,970	410,154
58	952	11,486	3,547	1,072	5,492	7,054	3,664	5,474	3,133	13,901	12,825	865	5,352
59	875	10,619	3,362	1,042	5,115	6,485	3,414	4,968	2,931	12,688	11,789	816	4,971
60	65	714	173	26	326	436	219	423	187	1,006	854	47	325
61	12	153	12	4	51	83	31	83	15	267	182	2	66
62	129,408	1,361,316	414,829	147,332	652,894	793,083	453,302	587,391	367,921	1,513,208	1,484,200	105,739	607,972
63	5	24	11		10	18	6	46	11	48	47	9	20
64	5	19	11		10	17	6	32	11	45	39	9	18
65		5				1		11		3	5		1
66								3		3	3		1
67	450	3,120	1,950		1,330	1,860	615	4,815	1,825	5,660	5,000	1,125	1,920
68		1			4			1		3	2		7
69		20			20			500		70	220		1,720
70	1,146	26,125	4,443	789	5,992	8,489	5,237	6,035	2,872	39,274	15,075	989	6,248
71	738	12,722	2,918	490	3,406	5,032	3,616	3,234	2,023	21,236	7,841	675	3,347
72	408	13,403	1,525	299	2,586	3,457	1,721	2,801	849	18,038	7,234	314	2,901
73	9,897	198,255	37,147	5,945	43,388	69,879	37,088	43,127	27,307	290,942	128,022	7,493	48,250
74	985	32,063	3,743	185	4,855	17,752	2,235	15,310	3,931	17,737	30,421	2,381	5,335
75	588	22,402	2,824	105	3,478	11,466	1,424	9,822	2,633	11,611	19,507	1,387	3,737
76	397	9,661	919	80	1,376	6,286	811	5,428	1,293	6,126	10,914	994	1,598
77	4,042	144,451	17,799	629	21,806	74,804	7,534	62,654	17,241	71,263	124,755	9,270	24,187
78		111	5	2	62	47	25	33	5	50	89	19	10
79		458	17	10	382	100	46	68	20	137	177	87	35
80	12,048	220,674	51,490	19,816	68,919	99,674	46,073	74,600	43,210	328,490	218,693	10,937	81,435
81	6,378	143,726	24,083	11,422	34,293	50,829	20,143	36,470	21,300	185,359	114,383	4,849	45,394
82		2,269	701	2	794	2,201	77	1,823	825	2,122	2,222	869	1,509
83		8,565	2,678	10	2,946	8,521	374	6,763	4,223	6,211	9,026	1,824	6,021

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.
1 Population.....	19,220	49,576	18,379	8,907	8,650	17,889	2,027	6,552	45,301
2 <i>Population in 1900.....</i>	<i>17,673</i>	<i>44,792</i>	<i>16,644</i>	<i>7,766</i>	<i>6,197</i>	<i>17,869</i>	<i>1,468</i>	<i>6,175</i>	<i>39,667</i>
3 Number of all farms.....	3,130	4,993	2,806	1,283	371	2,574	344	551	4,603
4 <i>Number of all farms in 1900.....</i>	<i>2,846</i>	<i>4,977</i>	<i>2,650</i>	<i>811</i>	<i>187</i>	<i>2,287</i>	<i>210</i>	<i>670</i>	<i>4,622</i>
5 Color and nativity of farmers:									
6 Native white.....	2,245	4,037	2,090	734	101	1,643	282	302	2,621
7 Foreign-born white.....	881	963	699	545	260	928	61	249	1,981
8 Negro and other nonwhite.....	4	3	17	4	1	3	1	1	1
9 Number of farms, classified by size:									
10 Under 3 acres.....		13	3			1			8
11 3 to 9 acres.....	30	200	55	6	5	41		2	213
12 10 to 19 acres.....	43	222	79	10	8	37	1	5	254
13 20 to 49 acres.....	866	706	818	367	103	684	40	155	1,403
14 50 to 99 acres.....	1,168	1,437	1,081	475	121	1,011	113	203	1,760
15 100 to 174 acres.....	715	1,046	598	280	104	571	107	145	800
16 175 to 259 acres.....	178	541	120	82	14	140	35	20	122
17 260 to 499 acres.....	93	215	35	40	12	71	33	15	48
18 500 to 999 acres.....	38	13	13	17	4	12	10	4	5
19 1,000 acres and over.....	9		4	6		6	5	2	
LAND AND FARM AREA									
20 Approximate land area..... acres..	544,640	567,040	347,520	371,200	853,120	369,280	368,640	337,920	361,600
21 Land in farms..... acres..	325,721	542,242	243,695	144,628	38,073	248,477	59,024	59,559	324,129
22 <i>Land in farms in 1900.....</i>	<i>281,464</i>	<i>548,309</i>	<i>215,610</i>	<i>78,848</i>	<i>26,015</i>	<i>187,664</i>	<i>50,687</i>	<i>47,605</i>	<i>310,440</i>
23 Improved land in farms..... acres..	106,072	407,751	151,782	55,437	11,992	129,303	16,218	27,027	247,236
24 <i>Improved land in farms in 1900.....</i>	<i>136,997</i>	<i>409,014</i>	<i>120,001</i>	<i>29,229</i>	<i>6,570</i>	<i>96,232</i>	<i>7,976</i>	<i>21,861</i>	<i>250,264</i>
25 Woodland in farms..... acres..	94,302	71,742	45,688	16,086	11,164	31,727	24,070	24,324	39,030
26 Other unimproved land in farms..... acres..	65,347	62,749	46,225	73,105	14,917	87,447	19,636	7,608	37,807
27 Per cent of land area in farms.....	59.8	95.6	70.1	39.0	4.5	67.3	16.3	17.6	89.6
28 Per cent of farm land improved.....	51.0	75.2	62.3	38.3	31.5	52.0	27.1	46.4	76.3
29 Average acres per farm.....	104.1	108.6	86.8	112.7	102.6	96.5	174.2	108.1	70.4
30 Average improved acres per farm.....	53.1	81.7	54.1	43.2	32.3	50.2	47.1	50.1	53.7
VALUE OF FARM PROPERTY									
31 All farm property..... dollars..	12,337,406	34,343,074	11,950,321	3,696,989	1,334,300	8,175,561	1,205,074	1,683,745	23,704,396
32 <i>All farm property in 1900.....</i>	<i>5,604,285</i>	<i>26,432,976</i>	<i>6,089,834</i>	<i>1,247,660</i>	<i>377,124</i>	<i>3,898,959</i>	<i>280,068</i>	<i>966,249</i>	<i>13,066,423</i>
33 Per cent increase, 1900-1910.....	120.1	35.0	96.3	196.3	253.8	100.7	330.5	76.1	73.4
34 Land..... dollars..	6,980,306	19,065,213	6,751,615	2,061,350	738,480	4,368,480	773,865	889,425	13,210,506
35 <i>Land in 1900.....</i>	<i>3,165,960</i>	<i>16,864,060</i>	<i>5,698,400</i>	<i>692,460</i>	<i>228,500</i>	<i>2,140,360</i>	<i>147,000</i>	<i>536,610</i>	<i>8,396,730</i>
36 Buildings..... dollars..	3,105,600	9,029,293	3,193,640	813,130	330,615	2,178,900	197,875	440,230	6,523,923
37 <i>Buildings in 1900.....</i>	<i>1,306,020</i>	<i>6,317,290</i>	<i>1,465,620</i>	<i>220,850</i>	<i>77,850</i>	<i>849,340</i>	<i>44,550</i>	<i>191,180</i>	<i>5,183,480</i>
38 Implements and machinery..... dollars..	610,868	1,410,233	596,554	205,191	81,740	441,671	62,697	117,733	1,069,191
39 <i>Implements, etc., in 1900.....</i>	<i>301,210</i>	<i>317,380</i>	<i>293,090</i>	<i>67,750</i>	<i>25,470</i>	<i>231,290</i>	<i>16,870</i>	<i>66,640</i>	<i>605,100</i>
40 Domestic animals, poultry, and bees..... dollars..	1,640,642	4,238,335	1,403,512	612,318	183,465	1,186,450	171,237	236,357	2,900,776
41 <i>Domestic animals, etc., in 1900.....</i>	<i>845,036</i>	<i>2,433,705</i>	<i>720,784</i>	<i>264,620</i>	<i>47,304</i>	<i>678,029</i>	<i>71,638</i>	<i>162,810</i>	<i>1,431,133</i>
42 Per cent of value of all property in—									
43 Land.....	56.6	55.5	56.5	55.8	55.3	53.4	64.2	52.8	55.7
44 Buildings.....	25.2	28.0	26.8	22.1	24.8	26.7	16.4	26.1	27.5
45 Implements and machinery.....	5.0	4.1	5.0	5.6	6.1	5.4	5.2	7.0	4.5
46 Domestic animals, poultry, and bees.....	13.3	12.3	11.7	16.6	13.7	14.5	14.2	14.0	12.2
47 Average values:									
48 All property per farm..... dollars..	3,942	6,878	4,259	2,882	3,590	3,176	3,605	3,056	5,150
49 Land and buildings per farm..... dollars..	3,222	5,747	3,546	2,244	2,882	2,544	2,825	2,413	4,237
50 Land per acre..... dollars..	21.43	35.16	27.71	14.25	19.40	17.58	12.91	14.93	40.76
51 <i>Land per acre in 1900.....</i>	<i>11.21</i>	<i>28.93</i>	<i>16.85</i>	<i>9.55</i>	<i>8.78</i>	<i>11.41</i>	<i>4.81</i>	<i>11.25</i>	<i>26.29</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	2,954	4,693	2,635	1,185	317	2,391	324	494	4,372
53 Value of domestic animals..... dollars..	1,574,382	4,049,078	1,349,077	592,605	179,100	1,141,053	160,608	228,128	2,734,735
54 Cattle:									
55 Total number.....	21,942	42,568	16,394	8,057	2,008	15,843	2,183	2,985	40,018
56 Dairy cows.....	10,987	23,078	8,174	3,345	924	7,345	896	1,310	23,349
57 Other cows.....	1,734	3,952	1,338	619	228	1,004	173	445	2,991
58 Yearling heifers.....	3,113	5,321	2,475	1,307	303	2,408	337	435	6,218
59 Calves.....	3,915	5,603	2,655	1,233	380	2,938	400	422	6,076
60 Yearling steers and bulls.....	1,068	2,621	1,244	1,160	119	1,001	247	270	1,335
61 Other steers and bulls.....	525	2,093	508	387	54	487	180	103	449
62 Value..... dollars..	523,007	1,428,493	417,269	176,852	67,649	368,106	47,204	73,911	1,131,867
63 Horses:									
64 Total number.....	7,781	10,727	6,814	2,906	639	5,675	744	1,085	11,876
65 Mature horses.....	7,185	15,819	6,437	2,622	620	5,250	689	1,039	11,011
66 Yearling colts.....	511	769	338	271	19	377	53	43	734
67 Spring colts.....	85	139	39	13		48	2	3	131
68 Value..... dollars..	911,324	1,983,978	834,778	319,433	103,272	655,177	81,180	140,009	1,378,374
69 Mules:									
70 Total number.....	63	134	34	9	1	30	8	7	84
71 Mature mules.....	58	129	29	9	1	28	8	7	81
72 Yearling colts.....	4	5	5			1			3
73 Spring colts.....	1					1			
74 Value..... dollars..	6,930	19,110	3,971	1,600	200	3,145	1,250	1,000	13,335
75 Asses and burros:									
76 Number.....	14	12				1	2		1
77 Value..... dollars..	171	2,000				200	1,500		3
78 Swine:									
79 Total number.....	9,752	32,532	7,722	3,726	459	6,652	676	1,315	21,828
80 Mature hogs.....	5,986	18,449	4,985	2,428	269	3,811	452	978	11,367
81 Spring pigs.....	3,766	14,083	2,737	1,298	199	2,841	224	337	10,461
82 Value..... dollars..	78,073	271,475	62,667	24,782	4,906	52,928	5,084	12,147	154,682
83 Sheep:									
84 Total number.....	12,443	72,790	7,077	18,136	537	13,959	5,575	181	13,624
85 Rams, ewes, and wethers.....	8,671	50,271	4,966	12,873	426	10,093	4,474	134	8,616
86 Spring lambs.....	3,772	22,519	2,111	5,263	111	3,866	1,101	47	6,008
87 Value..... dollars..	54,995	345,683	28,435	69,809	3,068	61,465	30,155	1,056	55,204
88 Goats:									
89 Number.....	22	64	16	15	1	10	40	1	108
90 Value..... dollars..	53	168	57	79	5	32	225	5	270
POULTRY AND BEES									
91 Number of poultry of all kinds.....	112,269	255,826	92,900	30,536	6,301	78,243	8,797	14,340	278,647
92 Value..... dollars..	57,244	180,194	47,004	14,387	3,845	39,494	3,878	7,164	167,790
93 Number of colonies of bees.....	2,164	2,390	2,116	1,192	65	1,383	178	115	2,066
94 Value..... dollars..	9,016	9,038	7,431	5,326	520	6,903	751	1,065	8,251

1Includes deer, valued at \$25.

AGRICULTURE—MICHIGAN.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Woxford.
1													
2	11,249	2,274	89,290	52,341	25,499	33,930	8,681	33,246	34,913	33,185	44,714	531,691	20,769
3	<i>8,821</i>	<i>1,787</i>	<i>81,222</i>	<i>55,228</i>	<i>23,839</i>	<i>35,055</i>	<i>7,889</i>	<i>33,866</i>	<i>35,890</i>	<i>33,274</i>	<i>47,761</i>	<i>348,793</i>	<i>16,845</i>
4	1,086	249	5,370	4,527	2,623	5,659	441	3,577	5,244	4,952	3,837	4,775	1,779
5	<i>846</i>	<i>186</i>	<i>5,818</i>	<i>4,980</i>	<i>2,697</i>	<i>5,520</i>	<i>352</i>	<i>3,763</i>	<i>6,422</i>	<i>4,842</i>	<i>4,151</i>	<i>5,131</i>	<i>1,340</i>
6	527	152	3,499	2,873	2,313	2,573	181	3,143	3,604	4,235	3,081	3,133	1,353
7	559	97	1,862	1,654	307	3,084	260	433	1,637	628	730	1,610	424
8			6	6	3	1	1	6	3	89	26	32	2
9			138	193	101	93	5	159	88	268	173	289	1
10	15	4	189	192	91	72	9	109	119	361	157	372	21
11	206	68	1,608	876	350	1,041	138	665	1,367	1,558	4,077	1,509	607
12	405	83	2,155	1,646	716	2,346	128	1,334	2,085	1,586	1,071	1,570	607
13	315	51	1,014	1,199	894	1,645	116	996	1,290	896	1,305	805	354
14	91	13	181	314	338	347	23	240	213	202	406	133	63
15	33	19	71	89	121	104	17	63	60	67	160	43	30
16	5	9	5	10	9	8	4	5	10	4	13	3	4
17	2	2	3	2	2	2	2	3	3	2	1	1	1
18	433,920	344,320	529,920	454,400	321,920	624,640	772,480	356,480	529,280	394,880	450,560	396,800	369,280
19	<i>181,619</i>	<i>33,907</i>	<i>430,230</i>	<i>414,574</i>	<i>300,624</i>	<i>551,321</i>	<i>45,455</i>	<i>327,004</i>	<i>450,219</i>	<i>361,570</i>	<i>427,020</i>	<i>316,216</i>	<i>147,585</i>
20	<i>88,604</i>	<i>23,201</i>	<i>434,990</i>	<i>422,017</i>	<i>303,516</i>	<i>537,273</i>	<i>38,664</i>	<i>334,895</i>	<i>438,875</i>	<i>363,141</i>	<i>422,902</i>	<i>325,891</i>	<i>106,551</i>
21	39,225	8,051	304,738	317,495	243,381	434,565	15,431	205,031	332,927	282,198	331,632	261,100	79,044
22	<i>26,034</i>	<i>4,219</i>	<i>233,021</i>	<i>310,021</i>	<i>253,827</i>	<i>393,039</i>	<i>10,613</i>	<i>260,650</i>	<i>301,147</i>	<i>277,789</i>	<i>332,544</i>	<i>256,885</i>	<i>51,241</i>
23	48,570	5,988	53,004	53,004	25,208	43,584	20,113	30,439	52,961	47,022	47,068	38,116	31,279
24	48,024	18,968	60,070	44,075	31,975	73,172	9,911	31,594	64,331	32,448	48,323	17,000	37,262
25	30.3	9.8	81.2	91.2	93.4	88.3	5.9	91.7	85.1	91.6	94.8	79.7	40.0
26	30.4	26.4	70.8	76.6	81.0	78.8	33.9	81.0	73.9	78.0	77.7	82.6	53.6
27	121.1	136.2	80.1	91.6	114.6	97.4	103.1	91.4	85.9	73.0	111.3	66.2	83.0
28	36.8	35.9	56.7	70.1	92.8	76.8	35.0	74.1	63.5	57.0	86.4	54.7	44.4
29	2,475,134	842,763	26,330,140	23,067,600	19,044,966	27,944,051	1,200,507	22,114,238	25,901,050	26,724,700	29,540,586	38,712,788	5,167,650
30	<i>1,473,431</i>	<i>175,897</i>	<i>18,417,800</i>	<i>16,814,229</i>	<i>12,379,537</i>	<i>14,668,618</i>	<i>570,252</i>	<i>15,023,753</i>	<i>15,408,267</i>	<i>16,434,647</i>	<i>21,453,755</i>	<i>35,171,688</i>	<i>2,111,411</i>
31	68.0	379.1	43.0	46.9	53.8	91.8	110.5	47.1	68.1	62.6	37.7	10.1	144.7
32	1,294,399	582,045	14,400,374	12,896,649	12,030,231	15,224,746	601,150	11,554,834	14,160,266	15,802,549	15,873,987	25,973,946	2,773,438
33	<i>846,860</i>	<i>100,230</i>	<i>11,074,630</i>	<i>10,140,760</i>	<i>8,144,950</i>	<i>3,269,680</i>	<i>314,900</i>	<i>8,941,480</i>	<i>9,183,030</i>	<i>10,726,540</i>	<i>12,450,660</i>	<i>26,437,410</i>	<i>1,146,420</i>
34	596,596	122,710	6,955,018	6,178,395	4,527,430	7,082,115	311,175	6,367,291	6,636,555	7,341,753	8,223,840	8,122,106	1,355,635
35	<i>267,160</i>	<i>22,080</i>	<i>4,144,200</i>	<i>3,301,940</i>	<i>2,776,426</i>	<i>3,469,730</i>	<i>124,140</i>	<i>5,655,650</i>	<i>3,303,260</i>	<i>5,627,660</i>	<i>5,990,720</i>	<i>6,885,170</i>	<i>441,390</i>
36	181,851	43,527	1,378,998	1,052,530	561,485	1,334,242	97,416	1,086,061	1,322,131	1,061,542	1,385,234	1,402,067	280,912
37	<i>118,260</i>	<i>9,560</i>	<i>832,610</i>	<i>623,320</i>	<i>391,680</i>	<i>705,640</i>	<i>37,170</i>	<i>616,700</i>	<i>745,530</i>	<i>630,150</i>	<i>316,680</i>	<i>911,550</i>	<i>126,650</i>
38	402,238	93,881	3,595,750	2,937,026	1,925,814	4,302,948	180,766	3,106,052	3,782,098	2,518,854	4,057,525	3,214,669	751,765
39	<i>262,161</i>	<i>44,267</i>	<i>2,316,470</i>	<i>1,747,679</i>	<i>1,066,507</i>	<i>2,424,468</i>	<i>94,042</i>	<i>1,815,023</i>	<i>2,176,297</i>	<i>1,606,297</i>	<i>2,215,625</i>	<i>1,937,758</i>	<i>408,811</i>
40	52.3	69.1	54.7	55.9	63.2	54.5	50.1	52.2	54.7	59.1	53.7	67.1	53.7
41	24.1	14.6	26.4	26.8	23.8	25.3	25.9	23.8	25.6	27.5	27.8	21.0	26.2
42	7.3	5.2	5.2	4.6	2.9	4.8	8.1	4.9	5.1	4.0	4.7	3.6	5.6
43	16.3	11.1	13.7	12.7	10.1	15.4	15.9	14.0	14.0	9.4	13.7	8.3	14.5
44	2,279	3,385	4,903	5,096	7,201	4,938	2,722	6,182	4,939	5,397	7,609	8,107	2,905
45	<i>1,741</i>	<i>2,833</i>	<i>4,214</i>	<i>6,312</i>	<i>3,942</i>	<i>3,942</i>	<i>2,069</i>	<i>5,010</i>	<i>3,966</i>	<i>4,674</i>	<i>6,280</i>	<i>7,141</i>	<i>2,321</i>
46	9.84	17.18	33.47	31.12	40.02	27.62	13.23	35.33	31.45	29.71	37.17	82.14	18.79
47	<i>9.55</i>	<i>4.32</i>	<i>25.46</i>	<i>24.03</i>	<i>26.84</i>	<i>15.39</i>	<i>8.14</i>	<i>26.70</i>	<i>20.69</i>	<i>49.54</i>	<i>39.39</i>	<i>31.12</i>	<i>10.76</i>
48	996	204	5,196	4,349	2,484	5,519	364	3,472	5,082	4,456	3,727	4,562	1,658
49	<i>392,727</i>	<i>91,007</i>	<i>3,435,066</i>	<i>2,809,128</i>	<i>1,822,698</i>	<i>4,149,662</i>	<i>184,454</i>	<i>2,985,121</i>	<i>3,628,625</i>	<i>2,395,577</i>	<i>3,889,835</i>	<i>3,045,692</i>	<i>719,093</i>
50	5,346	1,156	44,445	37,403	15,740	60,139	2,219	26,842	39,901	23,664	38,852	33,179	8,845
51	<i>2,397</i>	<i>472</i>	<i>24,148</i>	<i>18,319</i>	<i>8,529</i>	<i>25,510</i>	<i>1,139</i>	<i>13,946</i>	<i>19,600</i>	<i>13,450</i>	<i>19,389</i>	<i>22,214</i>	<i>4,475</i>
52	743	3,135	2,643	4,287	1,336	4,287	1,191	1,707	2,859	1,548	3,192	1,970	588
53	796	165	5,643	5,283	1,891	9,248	271	3,709	5,424	3,409	5,149	3,358	1,163
54	819	151	7,384	6,818	2,189	10,913	394	4,401	7,134	3,456	4,736	4,140	1,487
55	426	121	2,956	3,846	973	7,706	152	1,864	3,403	1,233	3,612	678	814
56	160	27	1,489	822	2,775	72	1,215	1,481	518	2,774	3,771	319	318
57	109,772	28,629	1,109,005	893,521	452,940	1,348,102	57,798	803,026	1,024,543	691,024	1,214,845	1,157,076	213,759
58	2,050	455	16,479	14,383	9,022	20,169	920	12,688	16,791	12,897	15,283	13,454	3,775
59	<i>1,908</i>	<i>439</i>	<i>15,178</i>	<i>12,996</i>	<i>8,287</i>	<i>17,870</i>	<i>859</i>	<i>11,578</i>	<i>15,114</i>	<i>11,996</i>	<i>14,045</i>	<i>12,664</i>	<i>3,574</i>
60	126	16	1,100	1,234	584	2,075	55	932	1,407	686	994	682	192
61	18	201	153	171	224	6	178	178	270	185	244	108	9
62	235,389	53,360	1,956,724	1,637,804	1,019,693	2,403,800	117,183	1,540,319	2,097,002	1,409,393	1,772,601	1,658,866	450,622
63	2	15	73	43	86	71	2	96	86	140	120	88	14
64	2	15	70	36	75	50	2	88	66	122	118	78	14
65			3	6	7	19		4	19	17	2	3	
66			1	4	4	2		4	1	1	1	2	
67	300	1,825	6,785	5,395	12,670	8,315	200	14,456	11,375	17,745	21,300	11,376	2,020
68			2	1	3	5		5	3	7	2	17	2
69			100	10	56	1,240		1,145	800	740	335	240	45
70	4,728	346	30,744	16,530	25,792	18,494	839	28,929	29,331	23,918	44,070	23,928	3,933
71	<i>3,418</i>	<i>255</i>	<i>17,316</i>	<i>9,026</i>	<i>13,350</i>	<i>10,400</i>	<i>740</i>	<i>15,006</i>	<i>16,360</i>	<i>12,073</i>	<i>23,300</i>	<i>12,862</i>	<i>2,833</i>
72	1,310	91	13,428	7,504	12,442	8,094	99	13,923	12,971	11,845	20,770	11,946	1,100
73	30,396	3,862	235,527	128,383	200,348	138,173	8,297	229,977	229,636	208,432	353,607	183,038	35,875
74	5,140	775	31,341	36,201	33,510	54,504	210	95,787	55,319	16,197	131,935	6,551	3,715
75	<i>3,221</i>	<i>585</i>	<i>21,140</i>	<i>22,354</i>	<i>22,354</i>	<i>34,869</i>	<i>178</i>	<i>62,422</i>	<i>38,428</i>	<i>11,040</i>	<i>86,851</i>	<i>4,454</i>	<i>2,684</i>
76	1,919	190	10,201	13,185	11,156	19,635	32	33,365	16,891	5,157	44,174	2,097	1,031
77	<i>16,805</i>	<i>3,351</i>	<i>127,000</i>	<i>143,810</i>	<i>136,333</i>	<i>249,747</i>	<i>973</i>	<i>395,258</i>	<i>264,729</i>	<i>67,119</i>	<i>506,975</i>	<i>29,942</i>	<i>16,751</i>
78	57	9	161	54	238	162	1	155	174	86	99	45	3
79	65	40	525	205	658	285	3	340	540	224	172	154	11
80	24,870	5,202	293,401	218,426	178,830	273,772	1						

AGRICULTURE—MICHIGAN.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Alcona.	Alger.	Allegan.	Alpena.	Antim.	
FARMS OPERATED BY OWNERS							
1	Number of farms.....	172,310	808	269	5,319	1,248	1,506
2	Number of farms in 1900.....	<i>168,814</i>	<i>701</i>	<i>181</i>	<i>5,142</i>	<i>1,090</i>	<i>1,156</i>
3	Per cent of all farms.....	83.3	91.4	96.8	85.6	94.1	91.8
4	Per cent of all farms in 1900.....	<i>83.1</i>	<i>94.3</i>	<i>97.6</i>	<i>84.4</i>	<i>91.8</i>	<i>90.1</i>
5	Land in farms..... acres.....	15,107,494	86,119	20,357	354,850	123,036	130,505
6	Improved land in farms..... acres.....	10,142,159	33,838	5,280	289,812	40,033	70,168
7	Value of land and buildings..... dollars.....	699,059,567	1,656,686	449,225	21,941,433	2,285,610	3,505,660
Degree of ownership:							
8	Farms consisting of owned land only.....	151,005	758	268	4,681	1,206	1,376
9	Farms consisting of owned and hired land.....	21,305	50	1	638	42	130
Color and nativity of owners:							
10	Native white.....	118,660	338	67	3,963	480	927
11	Foreign-born white.....	52,865	465	202	1,296	767	573
12	Negro and other nonwhite.....	785	5	.....	60	1	6
FARMS OPERATED BY TENANTS							
13	Number of farms.....	32,689	66	4	807	57	122
14	Number of farms in 1900.....	<i>32,213</i>	<i>36</i>	<i>2</i>	<i>862</i>	<i>48</i>	<i>124</i>
15	Per cent of all farms.....	15.8	7.5	1.4	13.0	4.3	7.4
16	Per cent of all farms in 1900.....	<i>15.9</i>	<i>4.8</i>	<i>1.6</i>	<i>14.3</i>	<i>4.0</i>	<i>9.7</i>
17	Land in farms..... acres.....	3,380,616	8,513	417	71,706	6,038	12,802
18	Improved land in farms..... acres.....	2,472,810	3,109	258	55,191	2,620	7,108
19	Value of land and buildings..... dollars.....	179,097,564	154,150	19,300	4,086,289	120,000	294,510
Form of tenancy:							
20	Share tenants.....	20,378	14	.....	531	32	50
21	Share-cash tenants.....	870	1	.....	24	1	3
22	Cash tenants.....	9,629	44	1	243	17	49
23	Tenure not specified.....	1,812	7	3	9	7	20
Color and nativity of tenants:							
24	Native white.....	27,609	40	3	714	28	102
25	Foreign-born white.....	4,928	26	1	89	29	20
26	Negro and other nonwhite.....	152	.....	.....	4	.....	.....
FARMS OPERATED BY MANAGERS							
27	Number of farms.....	1,961	10	5	91	21	13
28	Number of farms in 1900.....	<i>1,234</i>	<i>6</i>	<i>1</i>	<i>79</i>	<i>49</i>	<i>5</i>
29	Land in farms..... acres.....	452,504	10,100	8,765	16,152	18,302	2,123
30	Improved land in farms..... acres.....	217,109	1,000	105	9,102	2,150	1,534
31	Value of land and buildings..... dollars.....	22,981,178	112,200	217,150	859,550	148,338	72,160
MORTGAGE DEBT REPORTS							
For all farms operated by owners:							
32	Number free from mortgage debt.....	88,705	442	217	2,709	735	652
33	Number with mortgage debt.....	82,631	366	52	2,578	507	849
34	Number with no mortgage report.....	974	.....	.....	32	6	5
For farms consisting of owned land only:							
35	Number reporting debt and amount.....	68,655	337	41	2,131	476	741
36	Value of their land and buildings..... dollars.....	250,874,010	688,195	75,700	8,426,044	842,080	1,546,836
37	Amount of mortgage debt..... dollars.....	75,997,030	173,958	14,310	2,672,967	175,771	421,718
38	Per cent of value of land and buildings.....	30.3	25.3	18.9	31.7	20.9	27.3

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS								
Dairy Products								
1	Dairy cows on farms reporting dairy products.....	number.....	727,832	2,486	451	23,336	3,796	3,884
2	Dairy cows on farms reporting milk produced.....	number.....	615,520	1,709	442	20,507	2,889	3,482
3	Milk—Produced.....	gallons.....	283,387,201	741,007	168,620	10,283,549	1,008,864	1,362,716
4	Sold.....	gallons.....	74,025,769	414	20,817	2,000,326	66,318	71,901
5	Cream sold.....	gallons.....	2,485,061	4,533	346	59,625	11,497	12,295
6	Butter fat sold.....	pounds.....	18,287,691	42,247	.....	1,558,252	10,293	20,067
7	Butter—Produced.....	pounds.....	50,405,426	227,668	35,319	991,300	278,194	457,462
8	Sold.....	pounds.....	30,010,783	118,867	14,387	585,200	145,409	241,043
9	Cheese—Produced.....	pounds.....	291,176	.....	.....	5,214	400	.....
10	Sold.....	pounds.....	284,026	.....	.....	4,853	300	.....
11	Value of dairy products, excluding home use of milk and cream.....	dollars.....	26,727,538	64,262	13,190	906,911	88,333	127,690
12	Receipts from sale of dairy products.....	dollars.....	22,099,178	30,845	7,683	810,581	55,405	80,311
Poultry Products								
13	Poultry—Raised.....	number.....	11,864,965	22,526	7,042	328,689	49,648	71,637
14	Sold.....	number.....	5,289,794	6,367	2,210	147,347	20,891	26,300
15	Eggs—Produced.....	dozens.....	56,176,525	123,573	20,462	1,887,593	189,466	285,613
16	Sold.....	dozens.....	38,568,386	65,961	10,670	1,351,703	77,546	154,161
17	Value of poultry and eggs produced.....	dollars.....	18,707,037	32,382	10,081	32,382	52,702	84,080
18	Receipts from sale of poultry and eggs.....	dollars.....	10,293,428	15,415	3,792	334,988	22,871	40,641
Honey and Wax								
19	Honey produced.....	pounds.....	2,507,810	3,704	.....	47,137	11,447	91,231
20	Wax produced.....	pounds.....	28,524	5	.....	736	343	970
21	Value of honey and wax produced.....	dollars.....	296,742	492	.....	5,723	1,539	8,432
Wool, Mohair, and Goat Hair								
22	Wool, fleeces shorn.....	number.....	1,505,258	6,347	2	17,914	4,145	1,303
23	Mohair and goat hair, fleeces shorn.....	number.....	1,559	7	.....	10	52	30
24	Value of wool and mohair produced.....	dollars.....	3,215,688	11,076	3	37,725	7,886	2,569
DOMESTIC ANIMALS SOLD OR SLAUGHTERED								
25	Calves—Sold or slaughtered.....	number.....	355,421	1,249	109	11,736	1,181	804
26	Other cattle—Sold or slaughtered.....	number.....	382,682	2,273	228	7,671	2,794	2,759
27	Horses, mules, and asses and burros—Sold.....	number.....	62,966	291	19	1,759	208	319
28	Swine—Sold or slaughtered.....	number.....	1,363,127	1,957	216	37,678	4,019	5,153
29	Sheep and goats—Sold or slaughtered.....	number.....	1,160,959	4,096	.....	10,657	4,664	414
30	Receipts from sale of animals.....	dollars.....	35,915,379	102,251	6,249	788,852	107,631	95,998
31	Value of animals slaughtered.....	dollars.....	7,662,048	23,458	7,809	265,193	40,698	74,574

AGRICULTURE—MICHIGAN.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in Italics.]

	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.
1	1,301	400	2,743	2,965	1,132	4,294	2,508	2,760	1,780	1,312	1,425	1,287	1,193
2	<i>1,087</i>	<i>235</i>	<i>2,887</i>	<i>2,833</i>	<i>871</i>	<i>4,218</i>	<i>2,741</i>	<i>3,041</i>	<i>1,088</i>	<i>1,101</i>	<i>1,094</i>	<i>947</i>	<i>767</i>
3	90.3	97.1	80.0	91.7	90.9	81.8	74.2	78.4	69.6	89.9	95.1	92.0	91.6
4	<i>91.7</i>	<i>97.5</i>	<i>80.9</i>	<i>88.7</i>	<i>91.8</i>	<i>82.8</i>	<i>78.9</i>	<i>74.2</i>	<i>76.2</i>	<i>92.0</i>	<i>94.0</i>	<i>91.4</i>	<i>90.0</i>
5	99,839	33,823	258,240	194,073	90,374	253,127	139,310	274,168	192,010	111,018	114,848	151,532	144,390
6	48,042	9,025	193,168	129,703	44,510	205,477	150,022	204,585	144,258	54,261	48,554	72,186	47,736
7	2,675,280	894,265	11,491,951	9,891,850	2,749,665	23,554,246	12,600,246	13,391,347	9,945,274	2,735,110	2,558,221	3,385,870	2,637,335
8	1,206	400	2,245	2,734	1,037	3,596	1,999	2,352	1,335	1,211	1,354	1,150	1,053
9	95	-----	498	231	95	698	509	408	445	101	71	137	140
10	636	44	2,467	1,512	841	2,985	2,267	2,424	1,526	800	737	182	837
11	653	344	274	1,447	282	1,290	237	325	120	496	677	1,101	350
12	12	12	2	6	9	19	4	11	134	16	11	4	-----
13	127	9	662	254	101	817	859	969	750	133	63	98	101
14	<i>91</i>	<i>6</i>	<i>662</i>	<i>803</i>	<i>72</i>	<i>822</i>	<i>712</i>	<i>971</i>	<i>606</i>	<i>100</i>	<i>55</i>	<i>32</i>	<i>67</i>
15	8.8	2.2	19.3	7.9	8.1	15.6	25.4	25.8	29.6	9.1	4.2	7.0	7.8
16	<i>7.7</i>	<i>2.1</i>	<i>18.5</i>	<i>9.5</i>	<i>7.6</i>	<i>16.1</i>	<i>20.5</i>	<i>23.7</i>	<i>23.2</i>	<i>7.7</i>	<i>4.7</i>	<i>7.9</i>	<i>7.9</i>
17	11,772	696	74,807	15,472	7,386	70,237	91,649	132,551	101,045	12,891	4,795	10,957	13,499
18	5,899	169	56,570	11,269	3,960	56,527	65,262	101,752	78,250	6,166	1,965	5,338	4,845
19	293,599	14,860	3,377,200	916,550	187,105	5,324,935	5,350,576	7,729,030	5,406,165	279,485	82,470	354,100	252,145
20	61	-----	561	41	72	547	675	789	660	58	26	15	63
21	2	-----	6	2	-----	24	46	16	12	-----	2	2	1
22	46	6	80	193	18	211	112	102	77	46	28	62	35
23	18	3	15	18	11	35	26	62	7	27	9	19	2
24	86	2	690	157	86	720	845	903	638	57	49	30	78
25	41	7	30	97	14	91	14	65	22	33	14	67	23
26	-----	-----	2	-----	1	6	-----	1	51	3	-----	1	-----
27	12	3	23	14	12	141	11	32	20	15	11	14	8
28	8	1	21	47	6	54	22	88	16	4	16	7	18
29	2,565	325	3,783	3,677	323	9,902	1,530	6,085	2,380	3,716	775	13,748	7,016
30	1,630	150	2,460	1,663	330	7,070	1,095	4,628	1,632	1,160	406	1,812	1,340
31	129,500	23,500	201,150	131,100	30,350	1,705,605	131,650	334,400	162,330	84,000	22,200	213,200	117,800
32	664	293	1,464	1,480	564	2,300	1,226	1,503	1,102	697	771	797	580
33	632	102	1,271	1,478	562	1,976	1,271	1,232	673	609	651	483	611
34	5	-----	8	7	6	18	11	25	5	6	3	7	2
35	564	100	957	1,317	495	1,568	922	970	437	533	600	306	515
36	1,188,220	196,865	3,627,892	3,661,540	1,115,480	7,736,698	4,184,370	4,337,075	2,095,973	1,024,110	981,133	1,009,950	1,088,355
37	814,192	51,035	1,169,692	1,170,088	232,278	2,138,353	1,313,933	1,461,259	597,380	255,926	260,632	310,868	201,495
38	26.4	25.9	32.2	32.0	20.8	28.3	31.4	33.7	28.6	25.0	25.5	30.3	24.0

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

1													
2	4,072	734	11,642	11,759	2,190	13,551	11,026	14,896	8,616	3,634	3,243	4,532	2,848
3	3,355	732	10,046	10,036	2,144	12,516	7,930	10,058	7,763	3,599	3,196	3,707	2,810
4	1,460,596	308,641	4,943,150	4,422,056	926,361	5,351,083	2,995,745	4,334,598	3,567,285	1,708,176	1,517,872	1,695,134	1,448,133
5	83,862	4,271	196,400	1,317,952	30,003	1,099,314	302,108	1,134,005	272,292	174,699	66,216	247,135	24,783
6	32,773	16	99,680	73,407	4,477	5,329	17,745	68,063	43,495	4,329	1,234	7,689	11,217
7	154,722	-----	519,440	161,363	6,001	260,733	269,080	238,655	171,058	8,327	3,378	-----	48,706
8	227,715	88,132	848,264	802,902	227,698	1,177,648	1,024,713	1,148,553	787,543	412,141	387,463	480,011	276,936
9	90,144	36,274	529,821	489,188	115,256	779,577	678,644	829,257	526,284	240,281	216,043	273,405	129,705
10	-----	80	-----	3,700	2,575	1,434	-----	1,144	150	16,750	125	-----	-----
11	-----	-----	3,700	2,500	1,155	-----	-----	970	15,700	125	-----	-----	-----
12	113,681	21,874	402,096	433,067	64,969	494,590	352,670	528,561	299,089	133,550	110,748	165,187	76,938
13	85,660	9,707	330,440	366,678	39,103	399,526	277,924	455,324	237,173	93,624	69,240	117,212	48,681
14	53,061	10,165	190,455	140,745	46,052	313,677	217,131	241,848	186,439	71,546	57,026	53,242	54,423
15	20,217	1,820	102,537	43,364	17,568	113,694	116,000	120,541	75,976	28,824	15,227	24,449	19,827
16	197,823	51,118	1,127,235	614,474	174,307	1,117,711	1,260,237	1,197,636	771,761	293,397	192,472	183,475	230,127
17	105,999	19,025	347,133	347,133	90,892	621,589	968,118	855,761	542,091	166,616	86,420	75,150	145,094
18	60,185	16,136	811,761	186,556	52,497	379,150	357,828	362,583	248,064	90,834	65,021	66,995	60,999
19	23,086	5,265	213,316	90,872	24,871	187,874	251,493	235,181	146,789	48,958	25,571	31,080	33,899
20	16,307	-----	29,176	34,391	15,502	30,888	18,726	22,020	25,833	50,904	19,508	500	12,166
21	105	-----	325	242	105	340	516	236	347	527	297	5	249
22	1,721	-----	3,715	4,113	1,798	4,219	2,262	2,873	3,357	5,046	2,562	88	1,360
23	4,368	12	49,108	2,799	503	9,221	47,063	46,806	21,316	2,087	814	4,580	10,568
24	1	-----	37	-----	9	9	30	136	174	4	5	18	2
25	9,505	35	100,189	5,317	944	20,133	105,453	94,221	43,156	3,842	1,837	8,377	20,660
26	1,485	244	5,017	4,886	632	7,784	6,340	7,350	4,566	1,158	817	1,809	862
27	2,556	305	5,937	4,686	908	3,818	5,001	3,183	3,085	1,797	1,747	2,412	2,373
28	372	20	1,123	546	153	1,003	1,016	1,046	936	240	182	360	314
29	3,810	111	35,851	12,549	3,183	28,120	41,544	43,296	23,610	4,608	3,952	3,045	3,836
30	3,011	8	37,367	1,717	389	5,913	32,599	42,515	13,717	8,873	468	2,620	6,112
31	127,956	6,395	914,894	228,502	49,506	561,317	986,032	1,235,426	590,048	74,033	64,965	107,624	136,260
32	30,902	8,565	110,693	138,977	31,970	207,923	108,554	107,173	108,922	59,787	46,885	56,254	30,389

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in italics.]

	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	
FARMS OPERATED BY OWNERS									
1	Number of farms.....	2,725	221	1,037	221	2,990	1,333	2,083	1,293
2	Number of farms in 1900.....	<i>3,072</i>	<i>218</i>	<i>796</i>	<i>100</i>	<i>3,598</i>	<i>1,034</i>	<i>3,493</i>	<i>699</i>
3	Per cent of all farms.....	77.9	89.1	94.6	94.0	76.6	91.6	76.0	92.7
4	Per cent of all farms in 1900.....	<i>81.3</i>	<i>95.6</i>	<i>91.7</i>	<i>84.7</i>	<i>80.4</i>	<i>91.2</i>	<i>77.8</i>	<i>90.9</i>
5	Land in farms.....acres.....	286,787	28,785	103,580	20,200	250,611	113,267	280,485	118,768
6	Improved land in farms.....acres.....	216,444	8,128	88,824	6,994	166,050	48,991	226,824	49,673
7	Value of land and buildings.....dollars.....	16,300,230	435,340	2,469,375	677,430	13,854,174	3,000,285	14,927,040	2,953,885
Degrees of ownership:									
8	Farms consisting of owned land only.....	2,266	205	1,017	215	2,530	1,210	2,407	1,219
9	Farms consisting of owned and hired land.....	459	16	50	6	460	117	489	74
Color and nativity of owners:									
10	Native white.....	2,353	154	247	42	2,797	915	2,491	775
11	Foreign-born white.....	367	66	81	170	191	388	490	514
12	Negro and other nonwhite.....	5	1	9	.....	2	30	2	4
FARMS OPERATED BY TENANTS									
13	Number of farms.....	756	18	44	9	904	115	846	94
14	Number of farms in 1900.....	<i>658</i>	<i>9</i>	<i>40</i>	<i>15</i>	<i>808</i>	<i>98</i>	<i>950</i>	<i>62</i>
15	Per cent of all farms.....	21.6	7.3	3.9	3.8	23.2	7.9	21.7	6.7
16	Per cent of all farms in 1900.....	<i>18.1</i>	<i>3.9</i>	<i>5.6</i>	<i>11.0</i>	<i>19.5</i>	<i>8.0</i>	<i>21.1</i>	<i>8.1</i>
17	Land in farms.....acres.....	82,857	4,385	5,749	1,476	93,423	10,993	94,054	6,835
18	Improved land in farms.....acres.....	64,190	909	2,101	508	71,524	4,763	74,045	3,387
19	Value of land and buildings.....dollars.....	4,846,200	61,100	132,100	38,000	4,901,605	254,830	4,016,460	191,137
Form of tenancy:									
20	Share tenants.....	553	4	9	1	714	54	633	41
21	Share-cash tenants.....	16	1	.....	.....	18	2	20	.....
22	Cash tenants.....	113	11	20	4	137	45	170	52
23	Tenure not specified.....	74	2	14	4	35	14	23	1
Color and nativity of tenants:									
24	Native white.....	707	11	18	5	874	93	748	75
25	Foreign-born white.....	48	6	26	4	29	19	98	10
26	Negro and other nonwhite.....	1	1	.....	.....	1	3	.....	.....
FARMS OPERATED BY MANAGERS									
27	Number of farms.....	16	9	17	5	8	9	67	8
28	Number of farms in 1900.....	<i>22</i>	<i>1</i>	<i>25</i>	<i>5</i>	<i>14</i>	<i>2</i>	<i>68</i>	<i>8</i>
29	Land in farms.....acres.....	1,996	13,440	3,476	1,705	1,810	712	13,937	2,995
30	Improved land in farms.....acres.....	1,625	1,664	2,007	840	1,314	511	11,299	1,083
31	Value of land and buildings.....dollars.....	134,485	151,900	107,100	30,700	91,050	27,100	837,670	68,000
MORTGAGE DEBT REPORTS:									
For all farms operated by owners:									
32	Number free from mortgage debt.....	1,431	148	710	173	1,488	605	1,430	466
33	Number with mortgage debt.....	1,278	72	355	46	1,473	721	1,628	822
34	Number with no mortgage report.....	16	1	2	2	29	7	19	5
For farms consisting of owned land only:									
35	Number reporting debt and amount.....	1,002	50	310	43	1,134	623	1,189	757
36	Value of their land and buildings.....dollars.....	5,134,440	86,500	776,910	116,420	4,019,831	1,307,190	5,155,210	1,693,610
37	Amount of mortgage debt.....dollars.....	1,622,344	17,633	198,048	27,982	1,553,968	337,236	1,041,004	388,261
38	Per cent of value of land and buildings.....	31.6	20.4	25.5	24.0	31.6	25.8	31.8	22.9

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	Dairy cows on farms reporting dairy products.....number.....	12,909	479	3,114	664	12,888	3,636	15,852	3,189
2	Dairy cows on farms reporting milk produced.....number.....	9,593	377	2,765	650	11,031	3,599	12,895	3,064
3	Milk—Produced.....gallons.....	4,305,455	157,427	1,024,200	241,307	6,031,242	1,092,445	5,548,883	1,341,416
4	Sold.....gallons.....	1,591,611	11,045	96,726	25,828	1,278,598	251,210	1,228,990	208,379
5	Cream sold.....gallons.....	64,896	123	1,078	1,200	31,827	12,207	56,269	14,072
6	Butter fat sold.....pounds.....	162,620	.....	.....	5,407	352,239	.....	314,552	39,153
7	Butter—Produced.....pounds.....	851,408	53,831	287,332	47,000	1,128,778	394,145	1,309,516	264,471
8	Sold.....pounds.....	526,496	32,528	172,106	22,637	687,403	241,842	813,524	121,479
9	Cheese—Produced.....pounds.....	9,802	.....	.....	195	450	3,326	5,650	.....
10	Sold.....pounds.....	9,802	.....	.....	72	450	3,310	5,000	.....
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	448,177	10,557	94,101	20,394	500,817	162,390	604,257	92,636
12	Receipts from sale of dairy products.....dollars.....	375,257	11,119	65,169	14,429	406,047	123,177	481,694	64,001
Poultry Products									
13	Poultry—Raised.....number.....	211,750	8,678	36,096	8,010	208,013	66,391	218,234	47,090
14	Sold.....number.....	103,146	3,154	11,545	1,051	105,060	28,190	109,174	18,962
15	Eggs—Produced.....dozens.....	1,261,917	30,104	216,373	32,112	1,248,178	270,255	1,003,184	199,065
16	Sold.....dozens.....	974,813	15,919	107,044	10,284	880,731	156,219	679,886	107,195
17	Value of poultry and eggs produced.....dollars.....	355,375	10,100	62,557	10,899	851,079	89,707	316,907	56,622
18	Receipts from sale of poultry and eggs.....dollars.....	243,089	4,935	20,660	3,430	231,089	46,873	197,802	27,785
Honey and Wax									
19	Honey produced.....pounds.....	42,041	115	.....	2,000	30,300	14,318	107,525	44,278
20	Wax produced.....pounds.....	488	.....	.....	25	754	170	727	122
21	Value of honey and wax produced.....dollars.....	4,951	18	.....	190	4,700	1,821	12,368	5,312
Wool, Mohair, and Goat Hair									
22	Wool, fleeces shorn.....number.....	73,187	921	860	106	73,553	718	90,304	7,056
23	Mohair and goat hair, fleeces shorn.....number.....	.....	.....	1	.....	.....	13	.....	13
24	Value of wool and mohair produced.....dollars.....	147,000	1,713	1,761	114	154,413	1,305	126,476	14,092
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	Calves—Sold or slaughtered.....number.....	5,849	299	933	120	4,885	1,075	7,974	892
26	Other cattle—Sold or slaughtered.....number.....	6,865	441	1,550	204	6,209	1,988	7,051	2,464
27	Horses, mules, and asses and burros—Sold.....number.....	1,000	35	1,054	16	1,054	241	1,274	315
28	Swine—Sold or slaughtered.....number.....	41,807	435	2,163	233	30,800	4,350	33,399	5,472
29	Sheep and goats—Sold or slaughtered.....number.....	45,439	338	680	78	42,640	440	53,059	4,754
30	Receipts from sale of animals.....dollars.....	1,024,328	9,494	43,163	5,081	904,055	67,054	1,005,633	145,512
31	Value of animals slaughtered.....dollars.....	111,566	13,000	44,978	7,140	100,320	74,157	101,985	32,244

AGRICULTURE—MICHIGAN.

791

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Gogebic.	Grand Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.
1	250	1,801	3,433	3,214	776	4,350	2,730	2,758	890	369	3,028	2,802	2,557
2	73	<i>1,620</i>	<i>3,804</i>	<i>3,372</i>	<i>875</i>	<i>4,331</i>	<i>3,107</i>	<i>3,252</i>	<i>668</i>	<i>220</i>	<i>2,905</i>	<i>2,599</i>	<i>2,428</i>
3	97.3	88.7	81.6	74.8	75.1	92.1	78.0	76.6	92.9	96.9	87.6	75.6	75.8
4	97.5	88.8	82.9	76.8	76.0	89.9	81.4	80.3	89.9	95.2	84.5	76.7	75.4
5	12,769	152,235	267,232	262,696	77,050	428,072	249,307	260,608	94,514	28,309	261,362	304,092	230,234
6	4,563	95,082	199,708	206,075	28,043	324,286	185,566	206,809	35,937	8,596	168,033	219,730	186,759
7	690,650	6,059,170	14,866,477	15,059,988	2,687,420	19,282,560	13,447,581	14,121,452	1,853,165	990,420	10,777,420	15,495,195	13,934,984
8	245	1,003	2,863	2,720	751	4,016	2,251	2,343	800	369	2,592	2,481	2,099
9	5	198	570	488	25	340	485	415	90	.....	436	381	453
10	15	1,336	3,009	3,054	94	1,693	2,474	2,404	421	60	2,124	2,519	2,103
11	235	465	414	159	682	2,602	259	293	407	309	843	338	440
12	.....	.....	10	1	.....	1	3	1	2	.....	61	5	5
13	6	208	751	1,067	249	350	739	823	55	9	407	828	782
14	2	<i>176</i>	<i>751</i>	<i>963</i>	<i>83</i>	<i>413</i>	<i>672</i>	<i>700</i>	<i>61</i>	<i>9</i>	<i>486</i>	<i>837</i>	<i>819</i>
15	2.8	10.2	17.9	24.8	24.1	7.4	21.1	22.8	5.7	2.4	11.8	22.2	23.2
16	2.5	10.2	16.6	21.0	22.9	8.5	17.6	18.8	8.2	3.9	14.1	21.7	24.8
17	334	20,538	62,794	100,447	15,180	36,116	78,011	86,999	8,528	739	34,453	111,718	95,239
18	163	12,406	47,266	84,202	7,377	26,663	57,956	68,124	2,808	260	23,382	79,913	76,209
19	20,725	782,370	3,443,567	6,419,215	438,517	1,481,980	4,110,447	4,702,423	136,339	22,800	1,581,430	5,475,526	5,698,758
20	1	159	558	806	6	107	548	564	20	2	266	644	580
21	.....	2	20	45	.....	8	19	54	2	.....	11	22	14
22	4	28	152	198	240	197	133	117	18	7	106	146	103
23	1	19	15	18	3	38	34	88	15	.....	24	16	85
24	2	179	705	1,046	21	192	708	776	40	7	355	771	698
25	4	27	45	20	227	158	30	47	15	2	44	57	84
26	.....	2	1	.....	1	.....	1	.....	.....	.....	8	.....	.....
27	1	22	21	17	8	22	33	21	13	3	21	46	33
28	.....	17	<i>22</i>	<i>56</i>	<i>4</i>	<i>77</i>	<i>39</i>	<i>40</i>	<i>14</i>	<i>2</i>	<i>45</i>	<i>64</i>	<i>61</i>
29	16	3,878	3,122	3,487	1,627	7,807	5,777	3,838	9,608	320	2,284	6,697	5,541
30	16	1,890	1,925	2,637	501	5,782	4,556	2,947	1,930	152	1,709	4,738	4,170
31	1,000	293,120	146,330	215,625	90,200	236,400	393,470	243,492	121,000	8,000	144,475	409,100	313,310
32	187	893	1,401	1,735	602	2,016	1,517	1,503	492	322	1,288	1,636	1,379
33	63	903	2,022	1,456	168	2,329	1,200	1,232	396	46	1,734	1,202	1,145
34	.....	5	10	24	6	11	19	23	2	2	6	24	33
35	58	707	1,594	1,180	155	2,066	917	977	344	43	1,411	985	889
36	167,775	2,303,020	6,507,460	5,181,707	637,775	8,831,300	4,073,852	4,045,050	712,437	112,800	4,701,015	4,885,101	4,141,552
37	30,715	630,147	1,885,184	1,610,244	143,396	2,533,049	1,300,603	1,472,568	179,842	15,830	1,167,804	1,505,983	1,710,235
38	18.3	27.4	28.7	31.1	22.5	29.2	31.9	31.7	25.2	14.0	24.8	30.8	41.4

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	690	4,571	13,068	15,829	2,654	21,850	12,705	12,800	2,662	1,034	10,447	10,088	11,746
2	667	4,457	11,149	13,705	2,501	17,270	11,096	10,286	2,561	1,014	10,263	13,223	10,597
3	389,999	2,059,597	5,215,250	6,387,049	1,255,850	6,767,918	5,579,746	4,014,469	1,184,550	417,630	5,149,441	5,993,217	4,368,822
4	52,952	131,934	1,051,000	2,513,223	251,952	1,466,016	2,056,246	631,013	100,075	37,324	708,685	2,760,548	721,692
5	1,455	6,086	26,791	31,720	18,767	100,728	21,743	51,817	16,147	3,086	46,324	23,970	90,189
6	.....	15,127	562,848	191,702	.....	797,237	64,337	419,630	28,425	.....	200,858	442,317	235,828
7	84,055	545,091	833,524	1,106,065	182,280	777,728	1,073,706	878,587	231,842	97,744	877,990	920,892	956,039
8	47,769	275,744	376,146	684,949	83,486	285,248	693,894	477,863	113,481	56,215	400,217	637,829	626,556
9	250	.....	.....	3,716	9,105	9,980	6,676	40	100	268	400	3,125	3,125
10	.....	.....	.....	3,716	8,630	9,542	6,676	40	.....	50	400	4,166	3,125
11	34,350	151,826	451,467	578,974	142,724	555,665	480,911	428,217	86,718	36,448	343,811	653,390	452,883
12	24,443	93,755	350,479	484,982	115,670	451,820	402,431	341,384	59,258	25,994	242,365	588,156	374,329
13	5,368	91,281	309,021	302,823	39,229	255,794	224,893	212,290	29,962	9,620	194,062	271,137	180,426
14	395	32,447	128,354	146,679	15,197	93,363	111,187	113,145	11,270	2,094	80,304	119,534	83,233
15	29,069	419,807	1,210,532	1,819,030	101,480	1,008,903	1,053,593	1,115,383	160,089	65,081	943,769	1,274,657	845,001
16	9,258	215,492	933,541	40,993	1,409,088	1,205,041	732,543	764,066	81,403	28,309	681,129	941,808	523,008
17	10,997	116,806	381,778	505,332	51,279	400,170	320,040	320,412	41,408	19,586	265,516	394,499	264,114
18	2,585	55,833	246,270	354,274	22,991	205,851	209,545	208,624	19,704	7,614	166,413	257,285	152,537
19	.....	19,812	51,166	38,017	.....	73,089	47,368	48,791	21,492	10	40,022	28,209	15,934
20	.....	416	591	1,133	.....	1,292	668	759	266	.....	351	288	157
21	.....	2,221	5,706	4,743	.....	8,179	6,019	6,103	2,606	2	4,092	3,403	2,105
22	23	2,679	39,478	57,373	44	22,800	67,666	63,092	6,043	29	24,944	53,453	25,020
23	.....	.....	200	.....	.....	8	2	5	3	.....	30	60	4
24	23	5,436	82,852	120,660	130	52,139	133,983	120,303	11,912	65	55,093	120,224	54,004
25	176	1,499	6,772	9,323	946	4,982	6,192	5,933	847	480	4,373	7,865	6,287
26	172	2,379	6,422	8,217	1,040	14,855	8,925	8,183	2,453	380	8,308	7,029	4,418
27	7	389	1,552	1,213	69	1,559	1,096	1,324	328	6	1,143	1,080	722
28	58	7,926	36,659	59,854	1,060	25,866	33,012	42,640	2,718	352	20,097	39,274	28,941
29	25	1,940	25,500	63,874	28	16,330	30,273	49,957	9,329	21	20,192	35,986	26,865
30	4,108	130,777	833,421	1,489,089	27,748	840,161	1,035,371	1,182,835	123,988	8,709	638,829	1,061,673	708,789
31	5,093	83,771	101,804	153,835	31,827	194,352	115,711	124,310	34,856	10,043	97,279	173,348	120,441

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in italics.]

	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Lucas.
FARMS OPERATED BY OWNERS									
1	770	5,058	18	600	3,093	1,339	3,877	2,221	176
2	<i>601</i>	<i>5,149</i>	<i>18</i>	<i>574</i>	<i>3,241</i>	<i>1,284</i>	<i>4,549</i>	<i>2,534</i>	<i>129</i>
3	91.4	80.6	50.0	90.2	81.2	92.7	72.7	80.0	90.3
4	<i>83.5</i>	<i>78.6</i>	<i>81.8</i>	<i>91.8</i>	<i>80.0</i>	<i>92.0</i>	<i>76.8</i>	<i>82.2</i>	<i>89.0</i>
5	72,805	384,290	1,796	77,835	310,861	138,096	315,184	269,056	15,530
6	38,282	288,869	783	30,724	231,688	75,949	259,808	191,358	5,954
7	1,795,325	22,486,180	50,475	1,618,136	12,423,087	4,402,830	23,997,388	11,191,314	347,550
Degree of ownership:									
8	732	4,486	16	567	2,789	1,237	3,897	1,838	164
9	38	672	2	93	304	102	480	383	12
Color and nativity of owners:									
10	593	3,577	3	402	2,140	737	3,357	1,922	67
11	175	1,471	16	258	952	559	618	298	109
12	2	10			1	43	2	1	
FARMS OPERATED BY TENANTS									
13	67	1,151	17	66	687	92	1,436	524	8
14	<i>75</i>	<i>1,308</i>	<i>4</i>	<i>46</i>	<i>776</i>	<i>100</i>	<i>1,284</i>	<i>571</i>	<i>12</i>
15	8.0	18.3	47.2	9.0	18.0	6.4	26.9	18.9	4.1
16	<i>11.0</i>	<i>19.9</i>	<i>18.2</i>	<i>7.4</i>	<i>19.2</i>	<i>7.2</i>	<i>22.7</i>	<i>17.2</i>	<i>8.5</i>
17	6,636	94,379	855	6,343	82,794	10,735	144,490	74,524	524
18	3,855	71,005	378	2,806	60,547	6,175	117,814	52,115	320
19	187,200	5,664,675	22,650	133,795	3,261,315	325,050	10,958,615	2,979,200	20,100
Form of tenancy:									
20	42	500		47	397	48	951	439	
21		28		1	10	5	45	13	
22	16	545	9	14	213	32	410	68	3
23	9	78	8	4	67	7	30	4	5
Color and nativity of tenants:									
24	58	841	1	56	566	79	1,347	470	4
25	9	308	16	10	121	12	88	54	4
26		2				1	1		
FARMS OPERATED BY MANAGERS									
27	5	67	1	0	28	13	21	30	11
28	<i>3</i>	<i>103</i>		<i>5</i>	<i>34</i>	<i>11</i>	<i>29</i>	<i>17</i>	<i>3</i>
29	1,060	7,374	80	3,552	6,797	10,472	2,358	5,495	4,678
30	426	5,843	75	354	4,507	1,688	1,941	3,801	1,652
31	28,400	893,975	800	37,080	272,950	356,950	231,921	240,280	120,750
MORTGAGE DEBT REPORTS¹									
For all farms operated by owners:									
32	390	2,463	16	337	1,439	301	2,168	1,171	128
33	379	2,628	2	320	1,644	538	1,683	1,040	47
34	1	67		3	10		26	10	1
For farms consisting of owned land only:									
35	350	2,147	2	258	1,420	468	1,300	811	37
36	742,400	8,680,995	3,950	567,390	5,160,782	1,453,145	8,230,019	3,693,377	73,900
37	169,843	2,924,114	500	143,774	1,740,502	344,066	2,569,208	1,309,748	17,300
38	21.5	33.7	12.7	25.3	33.7	23.7	31.2	35.5	21.9

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	2,031	23,383	54	1,963	15,712	4,513	24,519	12,821	515
2	2,010	19,955	52	1,943	12,249	4,343	21,319	11,153	503
3	1,111,766	9,414,449	19,345	891,473	5,740,930	1,691,039	10,689,961	5,595,183	181,653
4	12,135	2,819,930	1,650	516,065	23,280	41,538	6,530,730	2,744,377	1,692
5	3,990	106,072		11,654	40,223	16,882	87,314	24,816	45
6	19,275	538,961		30,897	529,597	29,237	239,526	178,096	
7	249,074	1,928,492	3,566	169,336	1,380,131	362,324	1,070,769	691,202	80,969
8	146,251	1,273,263	1,437	87,307	875,695	204,110	689,084	393,653	17,655
9		31,210	10		25,500		2,500	500	
10		30,850			24,700		2,500	500	
11	65,692	1,096,088	1,382	54,310	552,728	104,682	1,009,611	524,078	9,648
12	42,655	941,975	771	36,977	436,495	70,558	923,092	459,599	4,887
Poultry Products									
13	36,293	335,801	1,242	25,905	222,570	62,827	483,910	164,220	7,753
14	12,420	180,814	435	8,675	106,223	18,541	237,956	83,902	2,398
15	185,128	1,398,160	3,707	116,022	1,189,111	373,427	2,188,107	887,297	24,770
16	101,601	858,963	2,417	62,836	864,111	226,875	1,674,896	640,777	5,600
17	46,402	431,693	1,682	31,893	342,145	91,005	703,210	253,616	9,022
18	23,470	252,171	1,018	15,442	227,146	49,701	471,669	170,108	2,389
Honey and Wax									
19	21,694	78,473		6,086	75,899	6,658	55,490	40,896	
20	250	1,348		70	605	159	1,325	308	
21	2,024	9,782		600	9,510	870	6,853	4,814	
Wool, Mohair, and Goat Hair									
22	354	25,901		2,792	58,148	1,458	60,434	55,931	91
23		60		13	3				
24	684	57,713		5,226	130,600	2,794	137,109	131,276	162
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	498	13,493	8	569	6,604	927	16,518	5,265	150
26	1,218	11,430	20	1,389	9,913	1,979	12,977	6,249	217
27	128	1,413	2	113	1,425			954	41
28	3,024	35,377	13	1,835	29,375	5,511	81,435	23,289	653
29	176	16,861		2,209	38,707	595	67,051	39,067	80
30	46,065	845,876	485	59,107	972,529	92,427	2,161,724	855,371	14,299
31	37,125	281,422	536	18,282	125,951	57,199	169,493	87,561	7,234

AGRICULTURE—MICHIGAN.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	
1		490	3,048	1,494	564	1,936	2,471	1,617	1,935	1,296	3,448	4,061	432	2,023
2		<i>366</i>	<i>3,076</i>	<i>1,196</i>	<i>460</i>	<i>1,717</i>	<i>2,569</i>	<i>1,367</i>	<i>1,869</i>	<i>981</i>	<i>5,616</i>	<i>4,036</i>	<i>311</i>	<i>2,012</i>
3		93.9	81.0	90.7	85.3	91.1	87.5	96.4	86.2	90.1	79.8	86.8	92.7	85.3
4		<i>92.9</i>	<i>79.9</i>	<i>91.2</i>	<i>89.7</i>	<i>91.1</i>	<i>86.2</i>	<i>95.6</i>	<i>89.8</i>	<i>94.7</i>	<i>81.1</i>	<i>85.6</i>	<i>92.8</i>	<i>80.2</i>
5		54,481	215,644	129,580	56,031	151,652	237,624	155,024	147,867	130,599	253,970	333,320	48,704	148,775
6		<i>19,754</i>	<i>175,518</i>	<i>67,057</i>	<i>20,048</i>	<i>90,545</i>	<i>136,567</i>	<i>55,411</i>	<i>78,960</i>	<i>54,182</i>	<i>214,375</i>	<i>226,199</i>	<i>16,685</i>	<i>88,551</i>
7		961,360	14,784,609	4,290,233	1,181,830	6,724,030	6,012,590	3,983,561	5,007,006	3,143,769	17,863,397	13,164,871	832,621	6,349,070
8		445	2,662	1,358	532	1,746	2,170	1,679	1,685	1,133	2,984	3,547	393	1,850
9		<i>15</i>	<i>386</i>	<i>136</i>	<i>32</i>	<i>190</i>	<i>301</i>	<i>39</i>	<i>250</i>	<i>103</i>	<i>404</i>	<i>514</i>	<i>39</i>	<i>173</i>
10		123	2,029	805	119	1,109	1,745	430	1,240	776	2,863	2,860	247	1,010
11		<i>328</i>	<i>1,019</i>	<i>685</i>	<i>445</i>	<i>812</i>	<i>688</i>	<i>1,187</i>	<i>677</i>	<i>516</i>	<i>578</i>	<i>1,170</i>	<i>185</i>	<i>1,010</i>
12		<i>9</i>		<i>4</i>		<i>15</i>	<i>38</i>		<i>18</i>		<i>7</i>	<i>22</i>		<i>3</i>
13		20	600	144	81	172	338	38	300	132	844	593	31	318
14		<i>21</i>	<i>728</i>	<i>98</i>	<i>49</i>	<i>140</i>	<i>590</i>	<i>31</i>	<i>261</i>	<i>47</i>	<i>824</i>	<i>630</i>	<i>20</i>	<i>290</i>
15		5.9	18.3	8.7	12.3	8.1	11.9	2.3	13.4	9.2	19.5	12.7	6.7	13.4
16		<i>5.8</i>	<i>18.9</i>	<i>7.5</i>	<i>8.2</i>	<i>7.4</i>	<i>15.1</i>	<i>2.2</i>	<i>12.1</i>	<i>4.5</i>	<i>18.5</i>	<i>13.6</i>	<i>6.0</i>	<i>12.8</i>
17		3,701	67,721	13,206	5,437	13,978	40,336	2,924	25,936	14,771	71,716	53,887	4,240	29,300
18		<i>1,357</i>	<i>53,588</i>	<i>7,138</i>	<i>2,163</i>	<i>9,190</i>	<i>21,726</i>	<i>1,996</i>	<i>14,844</i>	<i>6,171</i>	<i>59,973</i>	<i>37,368</i>	<i>1,536</i>	<i>18,401</i>
19		60,260	4,199,180	483,470	161,798	639,500	926,245	102,150	890,410	305,315	5,261,103	2,200,390	80,600	1,211,566
20		6	335	78	4	103	207	4	176	94	396	504	14	146
21			<i>17</i>			<i>5</i>	<i>12</i>		<i>5</i>	<i>2</i>	<i>25</i>	<i>7</i>	<i>1</i>	<i>12</i>
22		14	336	45	62	58	61	22	98	34	409	73	12	125
23		<i>9</i>	<i>2</i>	<i>20</i>	<i>15</i>	<i>6</i>	<i>56</i>	<i>12</i>	<i>21</i>	<i>2</i>	<i>14</i>	<i>9</i>	<i>4</i>	<i>35</i>
24		12	520	116	10	147	289	19	204	105	769	520	24	239
25		<i>17</i>	<i>161</i>	<i>27</i>	<i>71</i>	<i>25</i>	<i>45</i>	<i>19</i>	<i>35</i>	<i>27</i>	<i>72</i>	<i>69</i>	<i>7</i>	<i>76</i>
26				<i>1</i>			<i>2</i>				<i>3</i>			<i>3</i>
27		1	26	10	16	16	16	22	11	11	20	24	3	32
28		<i>7</i>	<i>43</i>	<i>17</i>	<i>11</i>	<i>28</i>	<i>21</i>	<i>32</i>	<i>25</i>	<i>8</i>	<i>18</i>	<i>30</i>	<i>5</i>	<i>23</i>
29		7	3,138	2,207	5,438	5,665	7,821	9,495	2,823	1,985	6,560	5,603	2,765	6,935
30		<i>7</i>	<i>2,428</i>	<i>836</i>	<i>830</i>	<i>1,190</i>	<i>1,801</i>	<i>4,783</i>	<i>913</i>	<i>565</i>	<i>5,423</i>	<i>2,834</i>	<i>285</i>	<i>2,704</i>
31		500	207,685	97,240	82,850	154,186	122,500	273,160	65,115	44,525	724,900	191,172	25,000	269,600
32		313	1,585	740	439	815	1,092	810	784	532	1,730	1,823	265	1,174
33		<i>145</i>	<i>1,453</i>	<i>745</i>	<i>122</i>	<i>1,117</i>	<i>1,377</i>	<i>801</i>	<i>1,122</i>	<i>760</i>	<i>1,705</i>	<i>2,229</i>	<i>161</i>	<i>839</i>
34		<i>2</i>	<i>10</i>	<i>9</i>	<i>3</i>	<i>4</i>	<i>2</i>	<i>6</i>	<i>29</i>	<i>4</i>	<i>13</i>	<i>9</i>	<i>6</i>	<i>10</i>
35		111	1,239	642	103	977	1,160	754	924	643	1,432	1,841	145	714
36		<i>304,010</i>	<i>5,781,292</i>	<i>1,625,325</i>	<i>186,875</i>	<i>3,102,950</i>	<i>2,588,580</i>	<i>1,767,531</i>	<i>2,236,695</i>	<i>1,468,600</i>	<i>6,502,322</i>	<i>5,333,235</i>	<i>274,440</i>	<i>2,058,315</i>
37		72,581	2,149,230	424,424	55,646	782,399	705,209	503,093	591,098	381,937	2,088,706	1,566,950	60,180	556,473
38		<i>23.9</i>	<i>37.2</i>	<i>26.1</i>	<i>29.8</i>	<i>25.2</i>	<i>27.2</i>	<i>28.5</i>	<i>26.4</i>	<i>26.0</i>	<i>32.1</i>	<i>29.4</i>	<i>21.9</i>	<i>27.0</i>

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	1,165	18,081	4,358	1,828	5,807	8,275	7,030	6,781	4,384	16,706	13,312	971	8,117
2	<i>1,130</i>	<i>15,432</i>	<i>4,263</i>	<i>1,640</i>	<i>5,598</i>	<i>7,970</i>	<i>5,432</i>	<i>4,908</i>	<i>3,878</i>	<i>14,136</i>	<i>12,967</i>	<i>943</i>	<i>6,506</i>
3	452,169	6,779,879	1,601,297	597,080	2,132,838	3,951,210	1,870,510	2,277,018	1,791,840	5,637,102	6,254,203	463,009	2,711,709
4	<i>18,883</i>	<i>2,170,457</i>	<i>148,210</i>	<i>100,256</i>	<i>32,169</i>	<i>94,186</i>	<i>335,029</i>	<i>29,310</i>	<i>3,304</i>	<i>3,958,541</i>	<i>378,105</i>	<i>4,472</i>	<i>567,277</i>
5	884	47,079	9,030	4,628	33,599	73,506	50,004	34,675	8,477	30,723	47,852	31	19,595
6	<i>6,917</i>	<i>557,775</i>	<i>9,341</i>		<i>69,616</i>	<i>220,236</i>	<i>36,803</i>	<i>327,313</i>	<i>151,280</i>	<i>26,555</i>	<i>338,091</i>	<i>15,243</i>	<i>150,117</i>
7	121,608	1,085,243	366,793	144,818	589,039	710,051	490,501	468,444	300,374	657,662	1,138,229	107,695	680,315
8	<i>60,847</i>	<i>787,152</i>	<i>200,862</i>	<i>85,163</i>	<i>326,435</i>	<i>305,949</i>	<i>257,063</i>	<i>227,926</i>	<i>209,974</i>	<i>423,968</i>	<i>575,215</i>	<i>47,271</i>	<i>393,959</i>
9		<i>410</i>	<i>1,870</i>	<i>500</i>	<i>450</i>	<i>80</i>	<i>500</i>			<i>840</i>	<i>28,431</i>		<i>1,800</i>
10		<i>390</i>		<i>400</i>	<i>350</i>					<i>700</i>	<i>26,431</i>		<i>1,066</i>
11	36,297	699,961	128,218	67,292	185,241	273,492	208,522	211,319	127,525	581,950	457,191	27,538	307,428
12	<i>21,110</i>	<i>626,934</i>	<i>91,403</i>	<i>51,472</i>	<i>129,477</i>	<i>200,766</i>	<i>156,365</i>	<i>161,436</i>	<i>93,720</i>	<i>528,152</i>	<i>342,886</i>	<i>14,773</i>	<i>232,816</i>
13	17,123	291,762	64,225	24,120	92,667	139,677	53,921	80,545	49,648	466,199	242,905	14,916	115,552
14	<i>6,759</i>	<i>136,369</i>	<i>23,881</i>	<i>5,735</i>	<i>39,647</i>	<i>52,009</i>	<i>11,609</i>	<i>40,541</i>	<i>15,872</i>	<i>193,195</i>	<i>96,836</i>	<i>5,239</i>	<i>58,144</i>
15	70,599	1,298,960	275,917	117,177	364,198	650,916	317,118	390,671	243,191	1,752,878	1,364,660	75,210	507,031
16	<i>22,532</i>	<i>939,931</i>	<i>152,012</i>	<i>60,123</i>	<i>200,594</i>	<i>451,205</i>	<i>133,829</i>	<i>262,880</i>	<i>145,389</i>	<i>1,322,335</i>	<i>1,011,984</i>	<i>30,311</i>	<i>314,588</i>
17	22,982	417,187	74,415	41,609	107,773	181,631	85,622	100,503	64,893	559,930	361,707	18,033	158,270
18	<i>7,916</i>	<i>269,398</i>	<i>38,357</i>	<i>17,910</i>	<i>55,315</i>	<i>108,824</i>	<i>32,617</i>	<i>64,277</i>	<i>33,155</i>	<i>355,632</i>	<i>234,758</i>	<i>7,562</i>	<i>91,538</i>
19		51,140	16,190	20	17,329	44,164	1,906	50,036	30,460	27,328	49,483	16,142	22,478
20		<i>783</i>	<i>304</i>		<i>220</i>	<i>650</i>	<i>74</i>	<i>545</i>	<i>840</i>	<i>270</i>	<i>520</i>	<i>80</i>	<i>120</i>
21		<i>6,436</i>	<i>1,884</i>	<i>5</i>	<i>2,326</i>	<i>5,126</i>	<i>344</i>	<i>5,013</i>	<i>3,367</i>	<i>3,506</i>	<i>5,956</i>	<i>1,988</i>	<i>2,922</i>
22	457	20,970	1,529	103	2,863	11,157	1,130	8,663	2,334	11,235	17,810	1,478	3,409
23		<i>35</i>			<i>3</i>	<i>36</i>	<i>1</i>	<i>3</i>		<i>1</i>	<i>21</i>	<i>4</i>	
24	872	46,740	2,463	155	5,334	22,916	1,641	18,269	4,719	22,608	35,560	2,904	8,016
25	251	12,154	1,749	792	2,482	4,103	2,795	2,483	1,318	12,282	5,987	253	3,766
26	<i>461</i>	<i>5,338</i>	<i>2,084</i>	<i>741</i>	<i>2,638</i>	<i>4,847</i>	<i>2,548</i>	<i>3,495</i>	<i>2,841</i>	<i>4,890</i>	<i>7,885</i>	<i>737</i>	<i>2,944</i>
27	52	791	253	42	714	861	232	526	465	1,041	1,438	70	386
28	927	28,600	5,460	904	7,989	10,851	4,186	8,978	4,250	40,899	21,217	1,286	7,847
29	<i>307</i>	<i>16,257</i>	<i>1,130</i>	<i>33</i>	<i>2,089</i>	<i>6,740</i>	<i>794</i>	<i>5,881</i>	<i>1,376</i>	<i>9,492</i>	<i>12,252</i>	<i>969</i>	<i>1,885</i>
30	15,965	494,294	101,800	20,880	142,387	305,079	64,877	223,671	133,244	744,988	595,965	27,316	150,998
31	<i>15,424</i>	<i>350,420</i>	<i>59,576</i>	<i>21,788</i>	<i>73,523</i>	<i>74,936</i>	<i>75,846</i>	<i>47,597</i>	<i>46,861</i>	<i>246,125</i>	<i>118,421</i>	<i>16,514</i>	<i>82,317</i>

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in italics.]

	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	
FARMS OPERATED BY OWNERS										
1	Number of farms.....	2,790	3,751	2,455	1,178	353	2,312	322	525	4,059
2	Number of farms in 1900.....	<i>2,538</i>	<i>3,677</i>	<i>2,309</i>	<i>752</i>	<i>178</i>	<i>2,027</i>	<i>185</i>	<i>522</i>	<i>3,935</i>
3	Per cent of all farms.....	89.1	75.1	87.5	91.8	95.1	89.8	93.6	95.3	88.2
4	Per cent of all farms in 1900.....	<i>89.1</i>	<i>73.9</i>	<i>87.1</i>	<i>92.7</i>	<i>95.2</i>	<i>88.0</i>	<i>93.1</i>	<i>91.6</i>	<i>87.0</i>
5	Land in farms.....acres	279,314	382,400	204,683	121,002	34,850	221,527	55,669	59,695	283,123
6	Improved land in farms.....acres	143,724	283,143	129,996	47,764	10,610	115,026	14,788	25,991	215,714
7	Value of land and buildings.....dollars	8,604,465	19,864,081	8,592,280	2,456,705	994,495	5,826,040	894,940	1,261,355	16,798,344
Degree of ownership:										
8	Farms consisting of owned land only.....	2,507	3,300	2,168	1,054	349	2,030	270	485	3,697
9	Farms consisting of owned and hired land.....	283	451	287	124	4	282	52	39	362
Color and nativity of owners:										
10	Native white.....	1,950	3,020	1,797	660	92	1,435	262	286	2,241
11	Foreign-born white.....	336	729	643	514	260	876	59	239	1,817
12	Negro and other nonwhite.....	4	2	15	4	1	1	1	1	1
FARMS OPERATED BY TENANTS										
13	Number of farms.....	320	1,140	318	91	12	247	21	23	503
14	Number of farms in 1900.....	<i>291</i>	<i>1,207</i>	<i>310</i>	<i>50</i>	<i>6</i>	<i>236</i>	<i>21</i>	<i>30</i>	<i>559</i>
15	Per cent of all farms.....	10.2	22.8	11.3	7.1	3.2	9.6	6.1	4.2	10.9
16	Per cent of all farms in 1900.....	<i>10.2</i>	<i>24.3</i>	<i>11.7</i>	<i>6.2</i>	<i>3.2</i>	<i>10.5</i>	<i>10.0</i>	<i>6.8</i>	<i>12.5</i>
17	Land in farms.....acres	39,666	144,255	35,307	11,168	1,323	24,540	3,375	2,204	37,285
18	Improved land in farms.....acres	19,959	107,639	19,418	4,529	357	12,674	1,310	1,356	28,760
19	Value of land and buildings.....dollars	1,328,341	6,986,190	1,172,975	247,575	34,100	604,900	63,600	52,300	2,413,186
Form of tenancy:										
20	Share tenants.....	196	643	228	38	1	145	11	14	153
21	Share-cash tenants.....	7	48	5	1	1	9	1	1	18
22	Cash tenants.....	64	373	75	43	8	77	8	6	267
23	Tenure not specified.....	53	76	10	10	2	16	1	2	60
Color and nativity of tenants:										
24	Native white.....	280	947	262	63	5	200	19	14	343
25	Foreign-born white.....	40	192	55	28	7	45	2	9	155
26	Negro and other nonwhite.....	1	1	1	1	1	2	1	1	1
FARMS OPERATED BY MANAGERS										
27	Number of farms.....	20	102	33	14	6	15	1	3	41
28	Number of farms in 1900.....	<i>19</i>	<i>93</i>	<i>31</i>	<i>9</i>	<i>3</i>	<i>24</i>	<i>4</i>	<i>9</i>	<i>31</i>
29	Land in farms.....acres	6,741	15,587	3,615	12,468	1,900	2,410	380	600	3,721
30	Improved land in farms.....acres	2,389	11,969	2,368	2,844	1,025	1,603	120	280	2,756
31	Value of land and buildings.....dollars	153,100	1,844,235	185,000	175,200	40,500	116,500	13,200	16,000	522,900
MORTGAGE DEBT REPORTS ¹										
For all farms operated by owners:										
32	Number free from mortgage debt.....	1,338	2,069	1,129	420	285	1,034	183	264	1,930
33	Number with mortgage debt.....	1,445	1,641	1,321	755	67	1,267	138	259	2,111
34	Number with no mortgage report.....	7	41	5	3	1	11	1	2	18
For farms consisting of owned land only:										
35	Number reporting debt and amount.....	1,233	1,347	1,101	655	62	1,071	99	225	1,842
36	Value of their land and buildings.....dollars	3,699,849	6,728,747	3,643,080	1,278,005	203,200	2,346,370	283,790	443,805	7,295,875
37	Amount of mortgage debt.....dollars	927,979	2,289,765	958,259	349,489	43,685	639,353	49,027	102,348	2,519,423
38	Per cent of value of land and buildings.....	25.1	34.0	26.3	27.3	21.5	27.2	17.5	23.1	34.5

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS										
Dairy Products										
1	Dairy cows on farms reporting dairy products.....	10,217	21,641	7,742	3,151	815	7,106	834	1,199	22,744
2	Dairy cows on farms reporting milk produced.....	7,325	17,987	5,173	3,071	734	6,976	808	1,120	19,354
3	Milk—Produced.....gallons	3,193,491	9,574,102	2,430,640	1,693,026	280,890	3,333,919	354,491	405,862	9,801,472
4	Sold.....gallons	162,349	5,244,149	73,632	3,373	2,596	60,389	1,771	17,894	3,460,057
5	Cream sold.....gallons	34,850	58,204	22,371	5,322	712	76,003	300	300	19,363
6	Butter fat sold.....pounds	616,588	48,608	380,133	60,720	20,044	205,525	.....	.....	1,223,456
7	Butter—Produced.....pounds	556,212	1,059,206	550,667	315,733	71,390	510,963	97,223	123,541	1,229,707
8	Sold.....pounds	295,976	1,140,698	294,674	164,072	30,306	211,606	48,301	68,892	943,176
9	Cheese—Produced.....pounds	500	1,250	60	.....	.....	.....	.....	.....	454
10	Sold.....pounds	500	1,250	20	.....	.....	.....	.....	.....	454
11	Value of dairy products, excluding home use of milk and cream.....dollars	356,132	1,008,291	252,763	83,063	26,024	220,724	20,073	29,324	1,031,987
12	Receipts from sale of dairy products.....dollars	295,311	947,772	199,910	52,011	15,287	167,762	10,320	18,240	955,144
Poultry Products										
13	Poultry—Raised.....number	144,760	348,966	121,226	47,875	7,785	92,892	10,485	17,335	285,804
14	Sold.....number	64,726	173,094	50,092	15,389	666	37,161	2,033	4,445	129,884
15	Eggs—Produced.....dozens	568,082	1,351,042	554,431	202,035	27,853	522,750	42,620	74,170	1,716,030
16	Sold.....dozens	383,319	885,197	343,669	106,523	8,963	317,082	15,649	37,261	1,308,521
17	Value of poultry and eggs produced.....dollars	168,737	473,111	149,885	56,615	11,029	133,722	10,693	21,459	458,949
18	Receipts from sale of poultry and eggs.....dollars	99,502	290,548	83,967	25,732	2,559	74,042	3,525	9,211	310,800
Honey and Wax										
19	Honey produced.....pounds	41,462	52,823	37,114	36,110	4,200	29,361	3,548	2,350	29,142
20	Wax produced.....pounds	194	693	171	115	76	85	2	.....	305
21	Value of honey and wax produced.....dollars	4,789	6,751	4,052	4,615	763	3,058	437	262	3,795
Wool, Mohair, and Goat Hair										
22	Wool, fleeces shorn.....number	8,253	40,588	3,956	6,476	237	9,954	4,166	52	8,087
23	Mohair and goat hair, fleeces shorn.....number	111	17	8	.....	.....	11	21	.....	11
24	Value of wool and mohair produced.....dollars	17,446	102,359	8,302	12,630	496	20,442	7,578	104	17,461
DOMESTIC ANIMALS SOLD OR SLAUGHTERED										
25	Calves—Sold or slaughtered.....number	4,827	15,440	2,722	1,090	91	3,416	245	229	18,118
26	Other cattle—Sold or slaughtered.....number	4,750	11,986	2,844	3,285	296	5,917	552	991	6,773
27	Horses, mules, and asses and burros—Sold.....number	670	1,463	574	367	18	623	78	63	913
28	Swine—Sold or slaughtered.....number	12,487	34,739	9,021	4,833	276	9,538	599	1,180	27,490
29	Sheep and goats—Sold or slaughtered.....number	4,126	41,536	2,203	8,587	76	7,979	1,708	24	9,428
30	Receipts from sale of animals.....dollars	286,300	1,210,733	186,154	179,646	8,490	309,241	24,407	86,829	535,759
31	Value of animals slaughtered.....dollars	92,262	223,721	73,703	37,703	6,354	66,932	14,448	12,794	236,230

AGRICULTURE—MICHIGAN.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
1	1,048	206	4,765	3,847	1,902	4,044	303	2,774	4,485	3,919	3,019	3,548	1,605
2	<i>826</i>	<i>184</i>	<i>5,059</i>	<i>4,264</i>	<i>1,974</i>	<i>4,950</i>	<i>320</i>	<i>3,007</i>	<i>4,662</i>	<i>3,864</i>	<i>3,270</i>	<i>3,776</i>	<i>1,804</i>
3	96.5	82.7	88.7	85.0	72.5	87.4	89.1	77.6	85.5	79.1	78.7	74.3	90.2
4	<i>97.6</i>	<i>91.2</i>	<i>86.6</i>	<i>85.6</i>	<i>78.2</i>	<i>85.1</i>	<i>90.9</i>	<i>79.9</i>	<i>84.9</i>	<i>81.9</i>	<i>78.8</i>	<i>75.6</i>	<i>89.9</i>
5	118,376	25,368	363,270	344,628	109,540	480,623	39,093	243,177	372,433	272,752	319,967	223,266	129,764
6	37,868	6,106	261,265	266,406	160,689	378,643	12,594	198,112	274,856	212,272	249,035	186,180	69,713
7	1,625,105	497,005	18,374,115	15,993,794	10,978,097	19,529,931	739,600	13,526,755	17,411,711	17,699,641	17,903,097	20,103,091	3,652,873
8	1,021	194	4,320	3,186	1,508	4,419	364	2,292	4,034	3,204	2,652	3,000	1,425
9	27	12	445	661	394	525	29	482	451	715	367	548	180
10	502	120	3,041	2,403	1,642	2,116	147	2,417	2,997	3,284	2,361	2,355	1,196
11	546	86	1,716	1,444	258	2,826	246	356	1,485	572	635	1,174	407
12			8		2	2		1	3	63	23	19	2
13	34	27	554	661	705	697	30	771	700	911	783	1,160	160
14	<i>47</i>	<i>10</i>	<i>707</i>	<i>669</i>	<i>704</i>	<i>775</i>	<i>25</i>	<i>736</i>	<i>776</i>	<i>817</i>	<i>839</i>	<i>1,288</i>	<i>169</i>
15	3.1	10.8	10.3	14.6	26.9	12.3	6.8	21.6	13.3	18.4	20.4	24.3	9.0
16	<i>2.0</i>	<i>7.4</i>	<i>12.2</i>	<i>13.4</i>	<i>26.1</i>	<i>13.3</i>	<i>6.5</i>	<i>19.6</i>	<i>14.1</i>	<i>16.9</i>	<i>20.2</i>	<i>25.1</i>	<i>9.4</i>
17	2,803	4,004	48,040	67,114	95,122	65,772	2,801	78,323	65,359	77,604	101,549	82,312	14,991
18	992	1,536	34,450	48,827	80,241	52,402	1,043	63,148	49,417	61,678	78,291	68,033	8,224
19	58,890	95,100	2,293,062	2,811,950	5,383,970	2,546,830	57,925	4,116,550	2,841,410	4,575,195	5,848,015	11,190,825	404,300
20	8	8	248	284	669	258	6	587	384	687	506	217	126
21			11	17	3	24	1	23	27	22	18	40	2
22	13	18	260	340	29	352	13	145	240	136	232	861	80
23	8	1	35	11	4	63	10	16	49	66	27	52	2
24	22	24	430	457	655	446	23	606	563	840	690	730	146
25	12	3	123	204	49	251	7	75	137	48	90	417	14
26			1		1					23	3	13	
27	4	16	51	19	16	18	18	32	59	122	35	67	14
28	<i>3</i>	<i>2</i>	<i>72</i>	<i>47</i>	<i>19</i>	<i>65</i>	<i>9</i>	<i>80</i>	<i>64</i>	<i>61</i>	<i>49</i>	<i>67</i>	<i>10</i>
29	10,340	4,535	18,911	2,832	2,962	4,026	3,561	5,564	12,427	11,214	5,510	10,638	2,830
30	1,065	1,309	9,023	2,262	2,451	3,520	1,794	3,771	8,654	8,248	4,308	6,887	1,107
31	207,000	113,260	687,615	272,300	193,600	230,100	114,800	278,820	543,700	869,468	346,715	2,790,236	71,800
32	591	152	2,484	2,277	1,250	2,115	278	1,423	2,130	2,077	1,741	2,138	753
33	465	54	2,269	1,659	635	2,810	112	1,327	2,332	1,819	1,267	1,294	845
34	2		12	11	17	19	3	24	23	23	11	116	7
35	421	51	1,956	1,216	455	2,407	95	1,042	2,012	1,393	1,057	1,061	713
36	594,050	124,100	6,765,680	4,557,930	2,264,850	9,110,815	185,650	4,650,650	7,004,550	5,718,221	5,849,527	4,836,547	1,474,990
37	187,080	25,276	2,094,382	1,282,273	665,533	2,814,276	38,506	1,487,498	2,007,681	1,521,843	1,805,236	1,684,289	331,399
38	26.4	20.4	31.0	28.1	29.4	30.9	20.7	32.0	28.7	26.6	32.4	32.5	22.6

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	2,257	401	22,991	17,591	8,098	24,314	951	13,173	18,205	12,677	18,684	20,813	4,274
2	2,183	380	16,952	16,089	7,362	18,010	873	7,326	14,447	12,282	14,959	17,890	4,051
3	814,175	147,838	8,026,401	8,155,408	3,201,534	8,190,838	351,944	3,654,597	5,851,302	5,207,262	7,203,871	9,889,402	1,820,578
4	4,290	1,837	3,127,899	1,171,334	271,285	339,104	34,542	1,425,561	1,425,561	1,164,606	2,777,835	7,308,132	139,978
5	112	380	203,062	47,011	14,004	94,098	17,773	40,844	75,500	18,248	32,795	14,692	8,191
6	2,800		492,349	552,524	371,925	1,422,914	12,831	307,274	341,282	574,034	707,813	47,371	45,688
7	207,240	38,705	1,242,616	1,201,671	582,941	1,225,047	88,402	752,213	1,377,556	772,563	895,115	870,663	441,021
8	76,240	16,078	739,345	705,781	373,734	526,097	45,904	472,307	831,511	471,252	635,537	602,939	242,401
9		130	3,749	72,390		98		22,599	2,184	781	1,145	5,255	
10			3,699	72,390				22,599	2,184	760	1,095	5,180	
11	45,949	9,885	886,792	631,784	271,662	737,435	35,045	490,921	574,791	474,974	707,957	1,075,441	137,233
12	18,562	4,376	769,934	513,981	227,174	583,278	23,920	427,632	455,966	407,927	733,139	1,000,503	94,184
13	37,598	7,151	341,014	254,859	225,413	810,529	12,143	209,441	281,526	249,513	340,628	301,656	71,151
14	7,528	1,479	136,743	120,563	99,826	147,694	4,047	103,196	138,042	105,216	159,635	190,517	25,794
15	143,063	32,669	1,770,325	1,243,722	942,880	1,645,478	56,202	1,089,695	1,397,633	1,032,475	1,594,930	1,332,259	309,786
16	48,676	12,511	1,228,025	873,180	684,837	1,131,681	24,991	779,359	1,040,474	635,110	1,119,244	894,490	179,575
17	38,418	8,653	495,662	371,341	239,564	444,773	19,087	317,526	398,556	329,178	493,291	502,201	59,329
18	12,843	3,023	302,095	244,238	189,123	296,565	8,529	206,337	269,655	181,472	312,229	297,971	46,849
19	3,222	1,250	74,723	66,324	12,842	113,826		50,852	102,752	51,342	57,037	48,475	14,601
20	35	30	728	380	91	922		272	566	652	416	545	173
21	530	172	8,869	8,341	1,626	11,308		6,133	12,248	6,342	6,928	5,955	1,872
22	2,830	612	19,914	20,857	27,479	31,627	182	68,748	32,454	10,785	97,014	3,485	2,739
23	2		84		39	3		134	63	15		2	4
24	4,908	1,182	41,868	48,920	56,897	75,742	294	134,742	75,592	22,901	218,268	7,800	5,884
25	637	57	12,794	6,802	5,325	5,602	367	6,066	7,991	8,473	9,741	13,797	1,463
26	1,309	327	7,395	11,771	3,829	19,728	542	5,181	8,691	4,334	9,426	4,467	2,901
27	131	13	1,082	1,468	614	2,453	63	936	1,799	1,167	850	682	357
28	4,411	342	34,381	20,354	21,867	24,653	851	29,136	30,297	27,213	43,015	21,581	5,218
29	2,063	1,233	14,017	18,987	23,050	24,067	64	60,025	21,888	7,361	81,071	1,579	2,034
30	49,413	10,498	635,556	750,227	555,554	1,105,076	15,208	965,338	870,708	604,917	1,412,286	451,288	111,698
31	54,958	8,822	265,266	163,641	138,723	162,700	26,313	91,444	175,140	120,597	183,661	173,379	72,824

AGRICULTURE—MICHIGAN.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		THE STATE.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.
VALUE OF ALL CROPS								
1	Total.....	dollars.. 162,004,681	372,638	116,730	4,596,301	545,029	789,637	642,855
2	Cereals.....	dollars.. 70,544,250	110,670	7,090	2,114,532	124,656	244,844	199,925
3	Other grains and seeds.....	dollars.. 12,069,046	56,173	5,362	89,360	49,669	61,903	125,792
4	Hay and forage.....	dollars.. 36,040,087	110,179	31,220	924,774	169,674	141,407	157,155
5	Vegetables.....	dollars.. 16,201,328	39,459	35,350	400,806	79,392	125,447	60,033
6	Fruits and nuts.....	dollars.. 12,599,720	16,783	3,964	798,625	34,299	109,230	20,234
7	All other crops.....	dollars.. 14,550,250	39,374	33,738	268,704	87,349	106,806	80,316
SELECTED CROPS (acres and quantity)								
Cereals:								
8	Total.....	acres..... 4,415,629	8,860	404	129,751	11,346	20,267	14,190
9		bushels.. 121,862,638	184,863	10,769	3,484,106	210,674	419,266	392,623
10	Corn.....	acres..... 1,539,596	981	15	54,036	840	7,323	5,012
11		bushels.. 52,906,842	36,928	444	1,852,628	24,027	203,614	144,072
12	Oats.....	acres..... 1,429,070	4,182	256	26,932	7,277	5,507	5,953
13		bushels.. 43,669,502	84,766	7,268	792,632	141,245	117,805	103,846
14	Wheat.....	acres..... 802,137	1,357	41	31,144	1,861	1,950	1,108
15		bushels.. 16,025,791	24,691	770	621,690	25,448	28,690	18,506
16	Emmer and spelt.....	acres..... 6,742	639	20	37	218	151	62
17		bushels.. 154,103	13,214	647	636	3,774	1,939	2,073
18	Barley.....	acres..... 93,065	174	46	484	289	121	120
19		bushels.. 2,132,101	3,767	1,104	8,308	4,883	1,892	3,308
20	Buckwheat.....	acres..... 75,909	116	3	2,695	81	1,091	182
21		bushels.. 958,119	1,334	52	37,967	921	12,920	2,090
22	Rye.....	acres..... 419,020	1,411	23	13,823	790	4,121	1,767
23		bushels.. 5,814,394	20,263	484	170,245	10,376	52,323	29,028
Other grains:								
24	Dry peas.....	acres..... 94,932	3,659	311	53	3,929	1,803	2,316
25		bushels.. 1,162,403	41,425	4,229	558	40,704	15,863	28,877
26	Dry edible beans.....	acres..... 403,669	266	.....	3,361	155	1,600	3,773
27		bushels.. 5,282,511	4,361	6	37,568	2,123	19,128	49,255
Hay and forage:								
28	Total.....	acres..... 2,715,301	9,459	1,995	66,031	16,191	13,127	12,603
29		tons..... 3,632,939	8,559	2,233	97,806	11,790	12,675	15,466
30	All tame or cultivated grasses.....	acres..... 2,572,433	9,113	1,844	62,742	15,702	12,369	12,167
31		tons..... 3,178,277	7,981	1,895	82,989	11,113	9,959	14,414
32	Timothy alone.....	acres..... 749,563	2,224	313	21,973	2,975	2,123	2,354
33		tons..... 928,165	1,070	230	29,318	2,194	1,443	2,569
34	Timothy and clover mixed.....	acres..... 1,625,229	6,753	1,462	35,797	12,452	9,048	9,485
35		tons..... 1,991,618	5,862	1,571	46,041	8,668	7,635	11,339
36	Clover alone.....	acres..... 168,180	88	25	4,235	171	770	156
37		tons..... 216,862	96	51	5,814	155	563	198
38	Alfalfa.....	acres..... 6,553	1	4	65	1	41	3
39		tons..... 13,872	3	6	140	1	47	3
40	Millet or Hungarian grass.....	acres..... 11,088	27	18	274	17	152	154
41		tons..... 16,349	30	31	374	18	174	300
42	Other tame or cultivated grasses.....	acres..... 11,820	20	22	398	86	235	15
43		tons..... 10,411	20	6	402	87	97	15
44	Wild, salt, or prairie grasses.....	acres..... 33,345	97	.....	922	67	97	45
45		tons..... 39,970	94	.....	1,079	72	77	77
46	Grains cut green.....	acres..... 19,415	95	135	896	230	125	83
47		tons..... 29,035	69	227	2,281	148	196	110
48	Coarse forage.....	acres..... 89,338	153	14	1,954	192	521	273
49		tons..... 379,270	400	98	11,293	457	2,149	638
Special crops:								
50	Potatoes.....	acres..... 365,483	739	541	8,284	1,912	5,608	1,313
51		bushels.. 38,243,828	108,495	70,476	936,438	184,700	611,272	137,242
52	All other vegetables.....	acres..... 90,885	175	114	3,182	425	777	442
53	Sugar beets.....	acres..... 78,779	.....	.....	1,257	3	179	733
54		tons..... 707,639	.....	.....	5,552	21	1,217	6,836
55	Maple trees.....	number.. 986,737	902	1,940	33,586	812	4,109	2,474
56	Maple sugar (made).....	pounds.. 293,301	.....	20	13,930	10	20	.....
57	Maple sirup (made).....	gallons.. 269,093	287	403	12,197	174	1,013	449
FRUITS AND NUTS								
Orchard fruits:								
58	Total.....	trees..... 12,842,827	20,544	3,140	802,597	36,618	140,445	24,834
59		bushels.. 15,220,104	26,002	2,398	1,018,400	41,063	190,461	25,770
60	Apples.....	trees..... 7,534,343	17,045	2,775	287,761	31,512	109,360	19,233
61		bushels.. 12,332,266	23,960	2,266	719,175	37,613	176,013	22,070
62	Peaches and nectarines.....	trees..... 2,907,170	199	.....	264,847	427	15,987	432
63		bushels.. 1,686,586	73	.....	166,277	299	5,787	241
64	Pears.....	trees..... 1,136,151	777	8	147,444	1,260	4,835	963
65		bushels.. 666,023	633	3	91,806	1,074	2,807	708
66	Plums and prunes.....	trees..... 464,917	1,162	272	45,255	1,435	4,308	2,824
67		bushels.. 181,188	508	99	15,975	764	2,082	1,912
68	Cherries.....	trees..... 760,183	1,347	85	52,091	1,935	5,643	1,293
69		bushels.. 338,945	815	40	23,255	1,297	3,750	802
70	Quinces.....	trees..... 35,461	2	.....	5,119	11	3,71	11
71		bushels.. 13,484	1	.....	1,905	1	12	1
72	Grapes.....	vines..... 11,013,576	121	.....	172,361	132	4,133	2,307
73		pounds.. 120,695,997	1,458	.....	1,860,292	1,251	32,945	32,937
Small fruits:								
74	Total.....	acres..... 21,419	5	8	1,023	56	30	15
75		quarts.. 27,214,659	9,868	14,826	1,443,041	69,516	24,895	15,869
76	Strawberries.....	acres..... 3,051	3	8	442	49	17	11
77		quarts.. 14,218,768	3,541	13,754	753,391	61,927	15,160	12,638
78	Raspberries and loganberries.....	acres..... 8,786	2	.....	166	6	9	3
79		quarts.. 8,381,943	3,829	590	186,068	5,463	7,169	1,823
80	Nuts.....	trees..... 37,297	.....	.....	1,168	53	96	62
81		pounds.. 961,137	.....	.....	41,162	650	4,925	1,100

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	Farms reporting.....	111,842	296	170	3,090	485	804	663
2		Cash expended.....	15,073,667	28,394	29,335	422,105	51,301	78,954	65,162
3		Rent and board furnished.....	3,989,415	9,373	6,023	103,256	17,530	15,551	15,904
4	Fertilizer.....	Farms reporting.....	31,327	2	7	715	17	92	9
5		Amount expended.....	945,354	16	934	27,468	864	2,177	164
6	Feed.....	Farms reporting.....	76,882	323	202	2,800	703	714	514
7		Amount expended.....	5,682,015	19,562	21,613	179,656	64,153	52,878	25,720
8	Receipts from sale of feedable crops.....	dollars.. 12,234,203	16,843	2,815	257,063	33,092	19,500	44,292	

AGRICULTURE—MICHIGAN.

797

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.
1	217,535	2,848,646	2,381,890	619,255	4,771,107	2,870,587	3,978,801	2,468,265	700,023	597,171	866,583	542,689
2	19,015	1,691,309	747,200	172,886	1,628,222	1,894,142	2,719,812	1,674,031	175,605	114,902	249,623	189,797
3	1,995	135,787	83,924	13,197	10,839	30,149	60,243	9,279	47,307	40,118	93,286	77,157
4	73,890	536,010	512,697	81,332	574,070	483,020	655,877	315,260	148,051	183,096	353,559	128,514
5	46,361	180,969	245,093	93,226	512,325	249,273	255,619	170,037	114,258	111,968	89,868	60,537
6	7,731	144,955	85,172	185,088	1,747,737	83,769	131,409	143,282	86,851	39,385	9,374	15,803
7	69,543	159,616	707,804	73,526	297,914	130,234	155,841	156,376	127,951	107,702	70,873	70,831
8	1,020	96,408	46,073	15,299	95,769	106,375	140,188	105,447	14,577	9,722	17,047	14,948
9	30,832	2,918,750	1,479,619	289,095	2,672,217	3,338,912	4,373,955	2,768,833	287,574	212,791	522,549	333,928
10	10	35,886	17,760	7,246	46,486	44,316	51,286	44,931	4,973	1,793	215	4,701
11	239	1,546,680	611,476	163,723	1,520,808	1,737,658	1,996,456	1,524,297	124,023	57,904	6,961	129,511
12	789	22,735	20,973	2,367	2,367	30,290	34,695	19,060	4,152	5,527	13,273	4,158
13	25,304	696,525	739,397	52,653	546,030	945,892	1,219,747	501,246	89,580	117,789	435,470	116,812
14	111	25,961	4,024	1,522	26,598	24,043	38,811	32,210	1,554	422	1,288	2,163
15	2,647	516,399	65,582	23,037	551,312	526,771	896,157	623,497	23,115	5,306	19,801	31,517
16		3	37	6	85	40	2	141	40	413	30	10
17		82	1,032	110	3,149	743	35	3,818	726	10,331	1,145	223
18	32	458	809	31	138	962	1,480	378	105	390	1,902	182
19	2,021	8,060	22,296	635	2,087	22,057	37,476	6,147	1,736	7,869	54,730	4,197
20	6	2,477	426	1,469	847	2,438	1,132	2,289	457	205	38	276
21	175	33,502	6,894	13,094	11,279	44,033	16,733	30,831	4,322	2,192	596	2,127
22	22	8,838	2,044	2,587	4,286	12,780	4,788	6,438	3,296	972	301	3,458
23	440	116,632	32,942	34,643	37,142	61,788	207,351	78,997	44,072	11,310	3,846	49,541
24	58	67	860	147	23	58	1	7	2,317	2,707	3,033	2,293
25	1,070	1,542	11,793	2,023	244	1,062	25	8	23,358	27,024	90,447	25,308
26		4,768	2,014	713	352	146	2,308	262	1,010	228	22	2,065
27	5	68,523	37,857	6,055	3,304	1,720	29,269	2,357	8,741	2,832	466	19,100
28	5,198	44,074	32,159	6,775	45,237	41,394	50,338	31,313	12,610	14,532	37,029	10,383
29	5,078	55,128	51,492	7,330	61,756	50,530	67,270	34,658	13,360	13,171	25,414	13,834
30	5,039	42,475	30,530	6,330	41,325	39,271	48,488	27,483	11,293	13,547	36,495	9,727
31	4,832	51,133	42,091	6,206	52,082	46,838	59,142	28,078	9,803	11,225	24,244	11,940
32	1,483	14,193	5,537	1,840	26,894	15,345	22,588	12,946	1,498	2,471	14,172	9,069
33	1,539	17,183	7,776	1,738	34,445	18,942	27,037	13,516	1,278	1,765	9,309	1,119
34	3,592	24,508	23,523	3,759	10,008	18,496	22,017	9,043	9,020	10,664	22,160	7,825
35	3,269	29,548	32,560	3,757	13,712	21,518	20,905	9,482	7,868	9,129	14,723	9,588
36	14	3,008	580	146	2,024	4,868	3,402	4,820	3,323	243	38	751
37	25	4,169	1,005	134	3,281	5,592	4,467	4,871	276	174	35	959
38	4	28	48	20	166	102	81	90	14	8	3	8
39	3	100	27	363	272	111	111	159	14	9	6	9
40	16	85	533	299	269	293	220	413	116	80	121	121
41	29	136	990	375	433	337	436	493	155	108	88	173
42	15	53	259	266	464	167	180	171	322	81	34	53
43	17	44	260	175	448	127	186	157	212	40	51	92
44	70	932	214	55	885	542	571	1,105	134	67	276	295
45	84	1,060	219	39	1,193	621	722	1,292	114	49	326	327
46	87	236	124	53	226	36	50	216	294	606	174	18
47	112	199	276	59	406	99	55	462	297	1,089	265	31
48		431	1,153	336	2,790	1,545	1,229	2,507	887	302	26	336
49		2,724	7,732	1,024	7,372	2,972	7,351	4,208	3,138	620	55	1,428
50	533	3,805	3,580	3,151	7,060	4,363	4,199	4,112	3,472	2,221	1,560	1,382
51	85,538	461,138	339,052	276,849	681,098	458,701	532,788	458,760	330,141	303,786	273,963	103,791
52	103	1,069	1,797	4,685	1,255	842	1,485	842	682	773	366	533
53		27	9,959		556		29		615	1		25
54		161	92,775		5,972		171		4,298	15		207
55	565	44,396	33	4,078	21,882	14,624	3,108	8,865	4,034	3,380	1,154	1,941
56		38,284	187	12,943	3,806	1,050	771	1,050	225	75	10	20
57	155	10,386	9	1,246	6,827	5,217	1,124	3,754	1,130	679	205	809
58	5,959	196,906	105,908	193,374	969,406	152,133	168,625	118,439	97,721	49,758	3,666	20,870
59	7,857	277,149	87,582	259,053	925,949	127,643	152,591	174,311	132,961	58,822	4,247	22,913
60	5,479	145,195	76,601	89,704	273,409	102,687	103,019	81,858	80,275	42,895	3,158	15,571
61	7,622	255,325	72,905	158,529	525,944	103,002	180,572	155,284	123,205	54,672	4,195	20,248
62		34,411	2,627	75,669	267,800	26,045	37,308	12,804	4,020	36	22	1,266
63		14,543	1,036	188,867	14,248	10,980	4,705	1,521	14	15	550	10
64	37	7,827	14,502	5,446	351,825	7,218	11,791	9,583	3,646	809	3	884
65	22	4,681	8,951	3,022	173,851	5,302	7,244	6,343	2,193	794		463
66	227	3,459	7,247	7,292	17,362	4,853	5,203	5,187	4,123	2,253	77	1,888
67	81	384	2,738	5,032	8,833	756	1,467	1,467	2,084	1,012	23	839
68	216	5,713	4,856	15,184	51,523	10,845	10,539	8,569	5,523	3,759	46	1,657
69	132	1,887	1,932	12,802	24,521	4,181	2,900	6,406	3,822	2,318	9	782
70		774	60	70	7,442	419	636	394	65			8
71		327	12	19	3,917	144	279	111	8			3
72	1	7,657	56,230	3,882	2,192,008	6,943	15,835	411,769	1,243	383		1,128
73	100	124,800	698,830	44,470	53,022,711	141,810	203,705	3,221,877	16,348	8,430		8,162
74	7	85	117	254	6,520	93	306	280	45	29	63	10
75	9,201	95,898	140,994	220,164	7,906,613	131,232	435,049	203,584	48,480	26,989	60,270	9,502
76	6	51	61	54	2,041	63	156	102	24	21	34	6
77	7,495	61,232	87,677	53,403	3,406,769	98,855	294,039	104,478	31,110	19,061	32,977	5,913
78		15	27	2,850		9	86	76	15	2		2
79	400	16,205	30,855	143,236	2,849,794	10,904	75,327	63,559	13,262	2,433	25	1,686
80		1,401	41	23	773	575	1,482	601	12	8		12
81		31,310	1,000	570	16,812	24,415	67,435	11,373	98	100		5

AND RECEIPTS, BY COUNTIES: 1909.

1	272	2,156	1,621	581	3,252	2,011	2,435	1,651	646	628	660	465
2	43,164	203,391	222,538	75,746	576,642	200,901	348,567	205,156	57,559	53,972	68,760	51,910
3	20,679	69,392	60,064	13,966	116,642	54,060	104,776	56,732	13,996	12,591	20,524	11,042
4	45	89	577	44	927	269	97	112	159	83	21	19
5	1,473	2,175	21,192	2,039	34,856	6,061	3,084	3,678	3,501	622	602	498
6	268	1,201	907	587	2,556	1,256	1,378	918	686	717	510	538
7	25,356	63,419	57,508	38,581	192,003	76,092	114,585	60,087	45,192	54,493	42,007	39,652
8	8,763	150,483	152,749	13,570	209,936	198,056	336,266	174,108	20,267	31,160	145,075	27,972

AGRICULTURE—MICHIGAN.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	
VALUE OF ALL CROPS										
1	Total.....	dollars.	3,457,696	112,323	731,830	153,561	3,643,858	701,964	4,118,462	569,634
2	Cereals.....	dollars.	1,794,974	23,392	121,928	29,195	1,636,981	163,707	1,523,934	182,401
3	Other grains and seeds.....	dollars.	490,377	5,886	46,143	1,067	578,735	50,294	608,961	81,381
4	Hay and forage.....	dollars.	717,332	31,901	207,125	51,082	883,220	118,131	1,230,220	171,430
5	Vegetables.....	dollars.	137,761	16,800	123,960	35,266	174,214	142,173	237,809	63,365
6	Fruits and nuts.....	dollars.	154,717	15,993	19,727	1,534	165,179	76,211	151,025	11,829
7	All other crops.....	dollars.	162,037	18,651	212,947	34,817	215,523	151,448	276,513	50,228
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total.....	acres	106,768	1,923	8,787	1,681	90,874	13,459	95,954	13,878
10	Corn.....	bushels	3,099,456	40,941	227,471	53,643	2,900,687	273,602	2,634,822	341,437
11	acres		36,463	513	163	42	34,981	30,969	30,468	3,681
12	Oats.....	bushels	1,238,651	14,276	5,256	989	1,376,405	108,073	935,943	108,046
13	acres		36,045	909	0,256	1,438	28,849	5,205	36,205	4,464
14	Wheat.....	bushels	1,250,103	20,599	174,382	47,893	978,556	108,565	1,167,501	138,000
15	acres		20,979	141	611	95	16,436	1,082	14,784	2,029
16	Emmer and spelt.....	bushels	477,870	1,009	7,516	1,958	366,854	13,066	278,064	31,888
17	acres		27	22	238	43	127	54	254	5,612
18	Barley.....	bushels	512	444	0,537	.....	1,241	2,372	1,665	228
19	acres		3,152	21	1,028	79	2,197	260	5,047	5,748
20	Buckwheat.....	bushels	69,617	367	22,967	1,895	49,359	3,690	117,141	151
21	acres		280	170	142	8	462	607	1,040	1,238
22	Rye.....	bushels	3,455	1,905	1,896	250	5,942	8,689	11,821	3,066
23	acres		3,822	147	449	19	7,903	2,209	8,376	50,720
24	bushels		59,348	1,771	8,917	658	132,270	29,147	122,687	4,204
25	Other grains:									
26	Dry peas.....	acres	127	141	2,882	45	32	3,154	41	48,900
27	Dry edible beans.....	bushels	1,918	1,604	40,773	809	479	30,146	514	1,252
28	acres		17,782	13	92	.....	19,867	608	26,638	10,622
29	bushels		238,237	93	1,860	.....	307,500	5,851	341,344	12,360
30	Hay and forage:									
31	Total.....	acres	50,537	2,640	16,864	3,468	58,935	10,425	84,503	17,601
32	All tame or cultivated grasses.....	tons	70,814	2,509	17,817	3,583	88,314	10,312	121,209	11,527
33	acres		48,091	2,455	16,180	3,146	58,093	9,346	81,504	15,288
34	Timothy alone.....	tons	66,378	2,253	16,266	3,160	85,633	6,416	108,026	791
35	acres		17,029	231	4,772	1,320	23,247	1,008	32,121	1,074
36	Timothy and clover mixed.....	tons	24,052	203	4,369	1,257	34,206	610	42,812	9,857
37	acres		26,672	1,881	11,079	1,776	31,565	7,725	43,861	13,030
38	Clover alone.....	tons	36,152	1,764	11,573	1,821	46,035	5,270	57,303	749
39	acres		3,884	278	73	27	3,067	410	5,748	884
40	Alfalfa.....	tons	5,429	199	78	45	4,466	293	8,434	121
41	acres		112	.....	4	.....	37	10	213	50
42	Millet or Hungarian grass.....	tons	291	65	52	19	96	158	50	89
43	acres		130	87	79	31	178	211	103	75
44	Other tame or cultivated grasses.....	tons	191	.....	200	4	81	35	103	112
45	acres		263	.....	151	6	79	20	75	140
46	Wild, salt, or prairie grasses.....	tons	349	139	101	41	152	20	112	257
47	acres		428	176	98	11	196	2	140	56
48	Grains cut green.....	tons	1,142	32	340	251	178	217	1,179	67
49	Coarse forage.....	tons	804	32	377	258	505	359	2,090	583
50	acres		955	3	219	30	511	824	1,704	9,984
51	tons		3,189	8	1,033	154	1,962	3,378	9,984	1,050
52	Special crops:									
53	Potatoes.....	acres	2,112	416	2,132	479	2,581	3,059	4,792	1,104
54	All other vegetables.....	bushels	219,925	35,681	276,048	79,874	305,336	397,932	452,415	79,818
55	Sugar beets.....	acres	1,039	72	301	81	1,165	769	1,226	604
56	acres		788	.....	13	.....	706	24	2,030	277
57	Maple trees.....	tons	5,798	94	94	.....	0,081	145	21,250	1,692
58	Maple sugar (made).....	number	35,846	262	11,625	200	118,101	9,790	41,459	700
59	Maple sirup (made).....	pounds	7,145	.....	1,160	17	90,511	416	3,544	.....
60	gallons		9,689	125	3,403	80	26,696	2,797	10,625	83
61	FRUITS AND NUTS									
62	Orchard fruits:									
63	Total.....	trees	198,205	43,076	28,590	1,526	206,242	70,126	205,707	14,307
64	Apples.....	bushels	425,703	18,252	25,358	1,520	358,545	102,359	143,800	15,704
65	acres		157,212	42,123	27,625	1,442	168,755	55,066	157,619	10,699
66	Peaches and nectarines.....	bushels	414,314	17,728	24,955	1,510	346,215	91,452	130,568	13,456
67	acres		19,208	7	76	.....	14,425	623	17,229	477
68	Pears.....	bushels	2,054	3	59	.....	2,936	289	2,373	311
69	acres		8,057	212	50	.....	9,820	3,179	11,845	675
70	Plums and prunes.....	bushels	5,847	118	15	.....	0,290	3,011	6,978	412
71	acres		4,964	108	191	5	4,070	4,315	4,862	1,469
72	Cherries.....	bushels	621	77	22	.....	570	2,503	505	1,026
73	acres		8,382	566	648	79	7,872	5,942	13,930	1,060
74	Quinces.....	bushels	2,733	326	267	10	2,273	4,975	3,296	496
75	acres		261	.....	.....	.....	660	20	240	15
76	bushels		124	.....	.....	.....	258	74	.....	1
77	Grapes.....	vines	6,261	42	1	.....	6,315	520	42,129	623
78	pounds		91,589	510	100	.....	96,042	8,490	245,853	10,466
79	Small fruits:									
80	Total.....	acres	127	1	9	1	109	130	520	9
81	Strawberries.....	quarts	180,342	1,197	6,560	4,399	151,303	113,425	561,103	8,578
82	acres		62	1	6	1	52	50	124	4
83	Raspberries and loganberries.....	quarts	107,130	891	4,113	4,050	113,897	47,939	214,998	4,728
84	acres		38	.....	1	.....	26	64	355	4
85	quarts		38,924	256	933	.....	26,887	52,295	311,501	2,430
86	Nuts.....	trees	1,684	25	.....	.....	441	11	652	1
87	pounds		42,456	100	.....	.....	20,102	90	12,532	.....

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	Farms reporting.....	2,211	122	559	135	2,112	639	2,429	594
2	Cash expended.....	dollars.	269,791	18,078	81,217	29,801	234,273	60,927	399,087	40,296
3	Rent and board furnished.....	dollars.	73,379	4,309	30,681	11,970	56,614	13,990	107,058	13,451
4	Fertilizer.....	dollars.	204	4	12	1	589	119	1,429	11
5	Amount expended.....	dollars.	5,096	271	374	50	14,580	2,788	40,613	237
6	Feed.....	Farms reporting.....	843	133	542	102	870	801	1,112	445
7	Amount expended.....	dollars.	49,139	12,456	57,127	10,406	51,504	74,264	96,425	24,683
8	Receipts from sale of feedable crops.....	dollars.	241,964	3,665	52,041	7,583	342,334	18,613	512,248	37,685

AGRICULTURE—MICHIGAN.

799

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Gogebic.	Grand Traverse.	Griatiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.
1	132,767	1,486,973	3,313,578	3,614,573	760,654	4,170,687	3,288,025	3,608,929	430,072	188,060	2,315,995	3,732,323	3,438,800
2	2,697	402,345	1,817,391	2,287,441	75,778	1,621,198	1,491,562	1,826,918	117,459	15,154	912,407	2,183,857	2,100,486
3	44,603	484,952	484,952	45,850	16,395	707,273	449,956	560,311	40,884	374,130	170,939	170,939	24,577
4	61,182	235,095	698,716	805,528	340,594	833,100	825,067	608,746	137,980	89,807	530,140	726,273	568,467
5	22,830	280,481	141,829	191,161	166,175	191,677	193,887	203,268	53,893	35,821	176,409	316,732	408,027
6	462	361,521	124,964	109,087	8,786	157,295	125,030	239,620	20,387	3,553	114,078	160,418	162,639
7	45,596	156,928	545,726	175,506	152,926	660,144	197,723	170,057	59,469	43,415	208,741	156,104	174,604
8	170	32,187	86,826	120,638	3,756	105,134	84,243	104,858	9,381	797	65,551	121,758	115,748
9	4,927	654,305	2,384,729	3,919,328	122,303	2,855,819	2,690,906	2,997,599	208,744	26,746	1,602,253	3,671,317	3,371,518
10	6	11,887	36,464	51,223	67	19,455	33,812	37,222	2,293	2	21,844	47,789	40,680
11	152	283,060	1,001,355	1,917,217	2,414	591,486	1,323,432	1,370,033	57,078	108	610,158	1,719,204	1,529,061
12	137	8,972	30,947	38,449	2,821	48,545	29,991	25,932	4,254	631	19,017	33,354	26,869
13	4,131	208,996	1,058,081	1,374,261	102,727	1,446,960	973,048	877,953	107,949	21,992	628,819	1,165,556	894,118
14	19	4,166	13,042	21,696	470	29,159	7,925	31,029	917	22	12,408	18,055	36,560
15	468	70,525	241,140	475,954	8,854	541,158	175,496	583,170	15,330	556	192,176	438,346	783,053
16	.....	74	28	145	10	170	87	11	36	.....	21	19	3
17	.....	1,655	649	4,146	260	5,282	2,205	288	950	.....	710	341	40
18	8	16	1,900	2,730	200	8,161	3,064	1,281	298	.....	1,192	1,454	684
19	166	240	41,523	56,593	5,003	207,980	67,194	29,483	6,355	3,906	26,058	34,334	15,433
20	.....	1,346	609	2,150	117	332	730	986	179	.....	753	1,908	1,641
21	.....	11,903	6,827	26,510	1,824	5,054	8,936	12,897	1,492	.....	8,044	27,022	20,081
22	.....	5,706	2,846	4,344	71	4,312	8,634	8,392	1,404	.....	10,256	18,273	9,411
23	.....	77,926	35,154	64,611	1,221	57,499	134,534	123,655	18,695	184	136,282	286,374	129,782
24	.....	1,798	316	275	108	12,793	48	73	2,727	6	1,372	52	1
25	.....	21,362	3,701	5,130	1,489	161,941	815	1,237	27,082	196	17,032	765	25
26	.....	794	18,143	169	.....	20,015	16,000	18,502	634	.....	16,973	8,187	916
27	.....	9,088	227,233	1,823	2	265,825	224,123	295,773	5,727	.....	176,485	86,199	9,951
28	3,528	18,820	48,755	60,606	22,008	75,134	57,058	44,257	11,173	5,489	36,486	59,833	42,681
29	4,835	20,250	72,753	81,120	19,454	108,680	82,275	63,548	11,922	6,586	51,688	82,150	55,921
30	3,462	17,632	46,830	59,266	21,131	71,518	54,825	42,780	10,652	5,314	35,741	52,933	40,036
31	4,529	16,867	65,593	74,828	18,240	87,965	77,375	57,335	11,063	5,940	40,005	64,088	48,677
32	505	2,859	8,762	23,228	5,410	8,786	20,323	10,429	2,027	651	5,369	20,184	16,269
33	671	2,801	12,272	30,057	4,610	11,370	28,619	13,657	2,337	700	7,609	24,585	19,099
34	2,942	13,659	34,371	28,573	15,602	58,398	31,842	20,643	8,312	4,630	25,961	27,520	19,594
35	3,840	12,966	47,871	35,209	13,468	70,608	44,408	35,568	8,303	5,212	36,198	33,082	23,022
36	13	774	3,475	6,862	72	3,665	2,910	5,253	146	31	4,126	4,305	4,385
37	15	806	5,135	8,410	78	5,196	3,856	7,418	152	24	5,467	5,578	5,237
38	.....	64	53	313	30	37	65	102	6	.....	12	145	82
39	.....	94	88	774	60	63	155	227	11	.....	30	465	123
40	2	96	118	160	14	183	88	167	78	2	204	100	50
41	3	102	178	265	22	340	157	267	135	4	338	175	70
42	.....	180	51	130	3	449	98	192	83	.....	69	226	256
43	.....	98	49	113	2	388	119	198	65	.....	63	198	226
44	8	86	119	536	516	63	1,489	211	282	62	29	4,374	206
45	9	56	166	797	282	51	2,093	287	238	69	41	5,779	230
46	42	190	103	248	264	38	10	202	96	77	53	1,159	209
47	133	238	170	904	362	138	15	243	116	106	67	1,277	377
48	11	903	1,696	553	63	3,509	733	996	128	36	652	1,317	1,630
49	154	2,956	6,778	4,637	217	20,417	2,778	5,661	355	471	1,845	10,411	6,626
50	306	11,532	2,478	3,045	1,938	4,813	3,165	5,386	1,249	407	4,784	5,178	5,767
51	40,624	1,276,146	192,702	312,584	305,318	645,060	357,638	657,816	123,613	63,549	439,586	571,867	719,797
52	34	719	1,240	1,285	282	1,120	1,283	954	353	80	1,036	1,728	2,013
53	.....	13	701	4	.....	9,471	877	323	244	.....	1,865	65	.....
54	.....	176	60,050	26	.....	96,300	5,742	2,511	1,691	.....	14,840	379	7
55	.....	4,137	38,421	74,434	.....	225	35,748	49,906	424	1,351	10,028	242	4,903
56	.....	76	5,827	20,273	.....	.....	8,562	18,520	.....	131	60	212	1,140
57	.....	1,146	8,900	23,041	.....	78	10,428	12,605	.....	114	328	2,846	1,474
58	741	298,204	158,102	223,470	7,835	213,446	183,451	226,254	18,297	3,300	121,987	204,986	146,575
59	588	503,737	232,104	185,917	4,702	280,714	284,561	485,550	27,335	3,246	179,129	293,864	77,476
60	720	173,699	118,884	150,964	6,605	173,504	143,632	179,039	14,994	3,289	87,941	138,144	89,076
61	630	415,382	212,108	164,432	4,390	258,082	276,822	464,377	24,891	3,235	181,871	275,086	59,044
62	.....	54,274	17,033	45,123	5	9,282	19,352	27,103	199	.....	14,417	36,876	26,060
63	.....	30,333	9,823	11,020	6	4,782	10,078	11,122	54	.....	7,332	4,560	6,141
64	.....	10,034	0,221	9,827	.....	12,333	8,415	10,289	694	3	4,344	11,343	12,883
65	.....	10,536	4,221	6,252	.....	10,582	8,042	6,440	677	1	2,603	8,603	8,735
66	.....	8,550	6,887	6,443	690	9,535	6,910	3,701	943	51	7,948	7,700	6,956
67	.....	6,832	2,789	1,064	207	4,528	8,325	1,275	752	8	4,068	932	459
68	.....	50,739	8,565	11,189	529	8,482	8,545	5,740	1,418	7	7,154	9,807	10,044
69	.....	40,084	3,133	8,383	105	2,707	2,056	2,164	930	2	3,298	3,931	2,874
70	.....	266	114	637	.....	119	523	327	1	.....	78	987	873
71	.....	138	27	253	.....	34	236	153	1	.....	14	249	219
72	.....	17,167	10,505	8,307	3	71,997	4,809	9,454	206	.....	5,598	12,245	694,462
73	.....	170,387	120,076	125,678	.....	692,116	53,089	151,873	3,529	.....	82,172	148,538	3,893,239
74	.....	159	89	87	26	68	122	127	22	3	57	249	388
75	25	251,198	123,765	103,031	30,544	100,982	178,004	160,391	23,392	2,258	74,112	414,739	536,124
76	.....	70	54	53	24	29	79	72	13	1	30	114	203
77	.....	122,214	88,320	69,419	27,620	50,811	138,282	105,649	15,972	1,030	54,611	251,753	359,624
78	.....	67	23	20	30	30	17	36	6	1	20	46	79
79	25	89,104	25,267	20,100	650	41,933	16,842	37,471	4,818	317	12,832	60,822	80,256
80	.....	398	474	411	.....	13	1,485	1,203	26	.....	192	688	1,027
81	.....	8,615	8,290	13,650	.....	40	42,014	43,292	131	.....	1,635	22,469	28,690

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	111	1,156	2,594	2,415	530	2,106	2,046	2,276	439	204	2,000	2,214	1,967
2	23,552	165,584	285,752	255,375	122,720	353,833	262,006	328,945	40,336	31,243	175,855	340,326	322,048
3	5,087	42,583	46,453	65,014	30,622	79,000	70,443	97,449	13,952	7,723	69,827	96,294	83,455
4	26	91	812	759	48	1,278	275	399	19	.....	252	151	275
5	1,382	2,401	18,533	18,332	1,981	32,679	11,564	13,690	196	5	5,427	4,657	11,890
6	181	789	1,451	1,408	563	4,957	1,044	1,235	391	222	1,172	1,269	1,340
7	27,964	51,699	74,741	118,271	65,884	56,956	74,678	98,765	21,702	19,5			

AGRICULTURE—MICHIGAN.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.
VALUE OF ALL CROPS										
1	Total.....	477,702	4,843,771	14,344	330,926	3,336,476	1,095,901	5,414,104	2,822,344	108,711
2	Cereals.....	138,849	1,767,789	65	99,774	1,383,967	368,869	3,242,375	1,303,190	20,805
3	Other grains and seeds.....	14,998	236,610	.....	11,101	405,686	25,101	35,228	474,873	18,212
4	Hay and forage.....	72,468	995,063	7,769	81,298	881,249	150,679	1,278,152	670,180	21,120
5	Vegetables.....	136,576	877,044	5,413	59,069	300,610	257,922	356,097	136,142	27,589
6	Fruits and nuts.....	32,918	656,766	887	14,242	157,434	183,209	162,041	94,185	3,850
7	All other crops.....	81,893	410,699	210	65,442	207,530	110,031	340,211	148,774	17,128
SELECTED CROPS (acres and quantity)										
Cereals:										
8	Total.....	12,793	117,056	7	9,294	93,654	26,530	159,078	81,498	1,634
9	bushels.....	243,283	2,888,821	124	182,365	2,487,138	608,929	5,786,761	2,301,086	35,566
10	acres.....	4,763	45,937	.....	3,362	27,731	8,416	74,996	28,434	72
11	bushels.....	129,293	1,376,076	.....	81,988	863,284	247,545	3,068,197	1,104,556	3,090
12	acres.....	3,299	28,714	1	2,207	36,805	7,939	52,366	24,850	1,067
13	bushels.....	56,208	838,186	24	51,943	1,102,573	202,145	1,995,907	719,427	23,734
14	acres.....	1,037	20,055	2	853	11,605	3,076	22,825	11,476	81
15	bushels.....	14,055	394,273	35	13,094	226,446	54,286	526,628	225,296	1,019
16	acres.....	21	18	.....	7	.....	32	36	11	217
17	bushels.....	230	353	.....	194	.....	705	1,090	195	4,643
18	acres.....	11	250	1	15	3,905	9	6,042	1,177	73
19	bushels.....	128	3,258	16	284	80,751	238	181,581	23,299	1,711
20	acres.....	929	8,128	.....	426	806	725	591	1,019	4
21	bushels.....	9,429	34,467	.....	2,741	10,811	10,124	6,988	14,553	61
22	acres.....	2,733	18,946	3	2,424	12,802	6,333	1,320	14,531	120
23	bushels.....	33,881	240,113	49	32,121	203,273	93,886	21,325	213,760	1,302
Other grains:										
24	Dry peas.....	1,109	51	.....	394	291	1,169	84	37	858
25	bushels.....	9,145	740	.....	5,000	2,980	16,869	1,664	345	14,792
26	Dry edible beans.....	166	10,397	.....	309	14,314	208	151	18,315	4
27	bushels.....	1,711	125,839	.....	2,708	188,677	3,189	1,483	238,609	18
Hay and forage:										
28	Total.....	7,626	66,863	512	6,217	68,473	13,843	86,974	54,503	1,921
29	tons.....	7,511	97,036	462	7,744	92,862	13,863	132,477	70,727	1,948
30	acres.....	5,853	63,373	437	5,540	66,742	13,427	82,020	49,390	1,703
31	tons.....	4,579	81,384	394	6,504	85,405	12,482	117,132	61,065	1,421
32	acres.....	1,275	20,872	122	1,370	19,421	1,449	34,188	14,906	298
33	tons.....	953	25,983	122	1,573	25,250	1,165	47,528	18,239	250
34	acres.....	3,935	37,925	299	3,544	42,590	11,302	37,709	30,885	1,421
35	tons.....	3,046	49,351	247	4,118	54,020	10,683	53,983	38,480	1,124
36	acres.....	298	4,058	.....	400	4,354	330	8,706	3,237	29
37	tons.....	241	5,340	.....	546	5,517	317	12,561	3,929	38
38	acres.....	23	73	.....	9	142	68	1,045	84	10
39	tons.....	33	134	.....	13	310	83	2,537	163	4
40	acres.....	215	296	.....	147	98	71	146	78	5
41	tons.....	252	396	.....	171	185	76	271	125	5
42	acres.....	107	149	16	70	137	207	226	110	.....
43	tons.....	54	180	25	83	123	158	252	129	.....
44	acres.....	68	541	75	117	207	105	109	1,515	7
45	tons.....	73	676	68	145	216	76	202	1,938	7
46	acres.....	244	134	.....	86	234	100	114	2,750	64
47	tons.....	441	300	.....	107	240	153	753	2,668	103
48	acres.....	1,461	2,811	.....	465	1,286	208	4,671	841	64
49	tons.....	2,418	14,603	.....	943	6,960	1,078	14,383	5,006	195
Special crops:										
50	Potatoes.....	4,856	17,723	71	2,554	9,138	7,845	3,973	3,138	424
51	bushels.....	499,188	2,017,766	7,616	180,983	927,771	1,154,290	419,728	347,354	54,898
52	All other vegetables.....	269	5,163	12	340	1,080	525	2,473	795	115
53	Sugar beets.....	.....	83	.....	.....	1,306	.....	2,326	62	.....
54	tons.....	.....	754	.....	.....	11,300	.....	20,088	514	.....
55	Maple trees.....	2,357	30,493	.....	2,900	28,098	5,946	40,889	2,517	521
56	Maple sugar (made).....	20	18,082	.....	115	1,715	1,291	10,170	20	.....
57	Maple sirup (made).....	613	7,785	.....	743	7,990	1,766	13,049	878	185
FRUITS AND NUTS										
Orchard fruits:										
58	Total.....	31,373	588,318	289	20,433	222,055	214,533	290,071	151,842	3,220
59	bushels.....	55,081	868,014	323	24,347	250,801	288,433	254,514	180,772	3,324
60	trees.....	23,139	307,385	145	14,587	164,915	169,013	161,987	100,986	2,790
61	bushels.....	50,744	650,354	230	22,602	224,417	252,431	230,581	170,887	3,665
62	trees.....	3,719	178,932	.....	2,946	23,091	28,431	76,362	34,194	.....
63	bushels.....	1,720	147,497	.....	369	11,851	19,414	9,153	3,418	.....
64	trees.....	832	46,203	.....	525	12,546	5,651	19,467	5,942	21
65	bushels.....	481	35,241	.....	282	6,907	4,020	8,065	3,888	24
66	trees.....	1,550	30,762	4	1,240	5,092	5,300	11,051	3,658	119
67	bushels.....	930	18,351	4	606	1,885	3,224	2,088	634	66
68	trees.....	2,045	29,161	60	1,119	16,109	15,925	19,785	6,824	281
69	bushels.....	1,189	16,109	64	582	5,628	9,276	4,242	1,844	60
70	trees.....	17	729	.....	10	189	99	1,287	223	.....
71	bushels.....	8	399	.....	5	64	41	331	99	.....
72	Grapes.....	523	253,198	.....	1,896	8,568	19,341	24,954	15,325	.....
73	pounds.....	8,990	2,621,927	.....	23,279	105,145	119,728	269,037	99,875	.....
Small fruits:										
74	Total.....	8	839	.....	9	89	59	153	103	8
75	quarts.....	7,662	1,154,541	285	11,552	100,248	94,258	198,913	80,104	6,761
76	acres.....	8	348	.....	8	34	40	69	37	8
77	quarts.....	5,436	627,646	170	8,907	45,892	69,082	135,492	43,619	5,996
78	acres.....	1	373	.....	1	36	15	30	20	.....
79	quarts.....	1,020	358,028	.....	1,079	34,510	21,607	29,372	18,167	200
80	Nuts.....	51	1,384	.....	14	1,979	1	1,615	391	.....
81	pounds.....	3,205	23,363	.....	1,220	45,191	40	28,862	10,628	.....

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	470	3,319	20	327	2,209	767	3,445	1,677	106
2	Farms reporting.....	470	3,319	20	327	2,209	767	3,445	1,677	106
3	Cash expended.....	43,730	533,312	5,337	26,754	307,979	105,204	437,787	246,384	22,168
4	Rent and board furnished.....	8,760	131,890	950	5,452	95,443	26,734	121,783	75,741	5,275
5	Fertilizer.....	27	302	.....	33	1,044	156	1,668	76	3
6	Farms reporting.....	27	302	.....	33	1,044	156	1,668	76	3
7	Amount expended.....	570	25,420	.....	701	30,848	3,106	42,808	3,823	385
8	Feed.....	452	2,529	28	346	1,238	489	1,869	804	123
9	Farms reporting.....	452	2,529	28	346	1,238	489	1,869	804	123
10	Amount expended.....	29,730	247,283	4,911	23,161	70,790	25,991	162,312	61,592	21,556
11	Receipts from sale of feedable crops.....	9,009	235,243	.....	15,345	287,590	29,031	659,507	138,377	4,639

AGRICULTURE—MICHIGAN.

801

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.
1	281,188	3,360,890	878,098	312,881	1,433,560	1,420,023	888,528	1,011,586	634,302	4,197,692	2,949,069	212,948	1,257,017
2	43,236	1,653,900	323,446	30,858	429,012	565,730	203,630	291,168	195,572	2,499,072	1,210,794	40,752	319,185
3	80,505	219,293	14,075	3,107	25,283	96,580	41,186	198,275	45,337	18,893	246,381	24,198	28,615
4	62,972	748,490	142,633	39,976	359,526	338,786	294,667	267,605	195,654	728,206	525,158	58,547	377,676
5	49,092	844,750	148,730	102,080	174,862	218,069	124,007	88,257	93,966	295,348	659,264	29,344	175,821
6	7,138	156,214	171,711	10,854	358,297	85,583	29,051	28,623	14,542	144,614	155,640	9,923	272,255
7	38,246	238,243	77,503	126,006	85,980	118,275	195,987	137,658	89,231	511,559	142,832	44,184	83,465
8	3,106	94,600	26,966	2,257	30,802	52,927	14,343	23,333	17,215	138,078	92,695	3,704	28,674
9	80,399	2,731,833	510,085	55,728	640,411	1,012,513	389,386	566,107	357,200	4,406,308	2,034,415	77,560	520,493
10	113	31,252	10,514	8	10,170	17,932	1,007	9,050	5,068	58,008	33,136	424	11,438
11	2,160	1,074,601	232,112	411	232,798	442,531	24,589	192,741	125,058	2,059,087	912,594	14,653	190,035
12	2,058	34,947	5,002	1,704	8,152	11,748	10,034	10,460	6,562	48,237	21,921	2,154	9,374
13	59,398	1,081,150	121,812	45,929	208,090	276,427	294,048	316,267	151,602	1,642,424	598,932	45,915	223,621
14	359	19,975	1,994	27	8,679	4,990	648	1,090	1,936	21,350	14,911	609	3,805
15	5,175	436,590	33,445	373	150,652	80,504	10,943	32,045	28,590	519,749	232,837	8,368	68,536
16	77	66	50	12	5	5	440	34	88	18	29	26	6
17	1,857	1,431	1,262	255	105	47	11,455	1,090	2,111	630	296	491	16
18	395	590	23	268	88	123	1,304	345	1,176	2,608	229	162	94
19	10,137	13,082	290	5,199	1,624	2,366	31,443	8,709	3,071	66,220	4,341	3,428	1,045
20	18	1,389	1,193	100	288	1,594	90	365	488	2,885	1,700	126	870
21	192	22,851	11,413	1,900	2,771	9,723	1,359	2,872	4,611	42,838	15,065	961	6,010
22	88	6,381	8,174	140	3,411	16,528	820	1,089	2,901	4,992	29,709	303	3,029
23	1,480	101,928	109,651	1,651	44,371	200,888	15,549	12,383	41,557	75,330	270,050	3,744	31,085
24	2,998	182	164	188	217	1,260	1,894	970	2,835	6	104	954	36
25	51,753	2,107	2,206	2,331	2,604	14,876	29,045	12,208	27,863	190	1,027	11,195	347
26	16	6,907	863	1,004	4,932	94	9,091	625	103	11,443	55	1,083	1,083
27	207	103,497	6,817	10,336	41,614	1,270	102,448	5,346	1,261	120,148	777	10,756	10,756
28	6,374	54,617	12,804	3,412	22,854	28,684	22,103	20,555	14,469	53,579	41,606	4,659	25,979
29	4,931	73,705	12,986	3,823	35,991	34,749	30,798	30,208	18,397	72,760	49,119	4,446	35,414
30	6,181	51,749	11,732	1,603	22,318	27,490	19,552	18,366	13,976	52,307	40,697	4,424	22,992
31	4,649	65,852	11,378	1,289	34,550	32,119	21,773	24,861	17,072	40,584	46,498	4,110	29,323
32	1,556	11,373	3,455	1,275	4,221	4,836	2,093	2,987	1,503	22,677	8,671	626	6,280
33	1,198	14,173	3,301	900	6,271	5,321	2,230	3,999	1,823	28,026	9,733	873	8,238
34	4,399	37,001	7,741	65	17,006	19,132	16,962	14,586	11,528	26,750	28,194	3,081	15,727
35	3,192	47,065	7,541	35	20,423	22,644	18,937	19,695	14,128	32,255	29,622	2,033	19,782
36	193	2,933	261	14	2,923	3,301	78	484	674	1,917	5,571	322	743
37	196	3,948	276	13	1,158	4,019	111	750	859	2,617	6,849	223	1,037
38	-----	142	9	-----	208	26	49	8	4	747	43	1	9
39	-----	352	17	-----	478	45	82	23	6	1,408	72	1	17
40	33	95	137	91	80	146	146	141	167	132	110	35	155
41	63	143	144	148	115	177	240	228	210	205	133	60	160
42	-----	205	129	163	78	19	224	160	40	84	99	59	98
43	-----	171	99	183	105	13	173	166	46	73	89	20	89
44	36	104	448	847	115	330	842	158	102	110	274	40	731
45	36	120	501	769	156	309	1,039	161	132	112	320	56	782
46	136	52	238	857	122	125	401	172	28	47	56	62	281
47	164	148	221	1,101	144	128	827	174	35	102	63	43	255
48	14	2,708	382	104	209	765	1,244	1,839	358	1,114	575	128	1,973
49	39	7,651	861	658	1,114	2,161	7,127	4,820	1,133	7,945	2,170	214	5,036
50	865	6,077	0,077	1,415	5,684	8,981	2,051	2,056	4,421	5,414	21,089	501	4,650
51	93,122	631,854	585,559	219,532	510,598	805,856	253,702	168,079	396,795	472,718	2,228,416	56,788	269,574
52	212	1,374	781	240	1,370	1,059	1,026	630	504	1,649	2,431	198	1,430
53	-----	964	3	-----	11	426	1,261	20	1,349	250	1	1	1
54	-----	7,677	19	-----	45	3,667	10,400	125	11,839	2,021	13	2	2
55	3,029	5,302	8,063	4,228	12,625	8,686	4,305	584	1,549	2,035	10,627	1,384	8,409
56	260	145	536	225	860	805	505	20	70	135	1,223	-----	2,415
57	1,021	1,680	2,489	620	2,594	2,188	1,012	170	707	599	2,960	471	2,232
58	6,114	201,791	144,931	7,680	374,495	103,105	36,180	42,468	21,954	184,951	159,331	9,079	285,794
59	5,607	168,182	248,018	8,362	398,708	148,190	37,716	40,428	23,467	142,679	288,499	13,784	251,956
60	5,795	128,287	90,407	7,167	126,548	77,548	35,056	34,838	116,702	116,260	7,765	96,582	96,582
61	6,484	120,116	201,412	8,248	230,944	137,446	37,550	37,713	21,353	120,009	293,513	12,684	127,401
62	-----	33,815	35,297	-----	203,502	14,168	10	298	27,414	29,332	43	165,974	165,974
63	-----	22,363	30,227	-----	143,412	4,405	10	59	150	7,476	17,505	21	116,045
64	7	21,621	4,587	24	9,112	2,333	121	2,031	2,066	15,446	4,493	188	6,578
65	3	20,000	3,708	12	6,142	1,451	14	835	236	8,761	3,219	238	3,383
66	86	4,224	6,072	202	14,636	4,761	425	2,473	1,756	6,247	3,202	564	6,089
67	22	1,228	4,213	35	7,074	2,356	35	922	952	1,004	1,560	434	2,523
68	222	13,287	8,366	287	20,490	4,195	568	2,793	1,635	17,496	5,253	491	10,431
69	95	4,207	8,413	67	11,084	2,487	107	895	768	4,551	2,568	400	2,578
70	-----	445	60	-----	146	48	-----	18	2	713	149	19	120
71	-----	238	22	-----	29	10	-----	3	-----	216	62	1	24
72	-----	27,447	3,425	2	17,792	3,697	111	1,979	556	176,629	8,827	76	33,849
73	-----	340,000	39,973	-----	117,316	65,021	501	26,514	6,121	1,292,906	173,856	1,935	236,373
74	10	271	212	24	536	55	38	38	8	348	79	2	951
75	10,083	425,959	231,343	23,173	758,970	54,943	47,132	49,674	8,684	442,598	107,487	2,420	869,768
76	9	101	84	22	144	36	19	10	8	97	48	1	242
77	8,384	239,759	39,232	20,867	323,076	41,205	43,284	31,315	7,761	161,693	82,509	811	373,363
78	1	130	166	2	372	15	1	19	-----	104	22	1	650
79	800	138,451	182,199	1,050	403,579	8,787	641	16,651	459	125,464	17,669	970	459,412
80	-----	845	135	-----	55	185	2	63	6	291	390	20	186
81	-----	28,285	3,100	-----	1,402	1,870	-----	2,460	240	8,140	12,045	725	4,178

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	280	2,176	892	337	1,072	1,262	581	839	633	2,474	2,814	214	1,034
2	41,801	304,567	96,817	59,029	133,501	109,898	103,320	71,599	51,903	395,545	291,331	21,521	140,313
3	11,305	105,707	32,212	17,596	39,105	27,822	29,626	15,907	14,508	99,464	77,040	7,576	37,128
4	8	2,330	75	41	89	63	82	120	23	2,256	262	2	332
5	259	75,663	2,437	2,380	2,489	1,753	1,937	2,795	308	63,516	8,519	35	11,407
6	246	1,303	768	467	752	1,082	791	833	578	1,327	1,734	188	1,221
7	24,333	82,468	58,816	65,900	46,510	50,399	63,414	43,961	28,956	87,064	88,141	11,405	134,609

AGRICULTURE—MICHIGAN.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		Newaygo.	Oakland.	Oceana.	Ogemaw.	Onto- nagon.	Osceola.	Oscoda.	Otsego.	Ottawa.
VALUE OF ALL CROPS										
1	Total.....	dollars.. 1,616,649	4,785,191	1,763,176	589,313	198,617	1,172,195	153,044	240,165	2,819,347
2	Cereals.....	dollars.. 565,473	2,123,282	494,119	157,533	23,711	388,961	44,827	61,796	1,185,320
3	Other grains and seeds.....	dollars.. 62,891	202,796	73,904	88,137	3,658	57,031	14,584	9,852	14,462
4	Hay and forage.....	dollars.. 401,600	1,078,338	359,112	187,018	93,808	347,358	44,578	56,317	775,824
5	Vegetables.....	dollars.. 194,153	705,622	222,911	54,006	34,648	167,516	19,085	50,540	387,578
6	Fruits and nuts.....	dollars.. 257,901	401,027	474,767	20,911	14,540	48,501	3,453	9,861	293,892
7	All other crops.....	dollars.. 134,731	269,126	138,363	81,618	28,252	162,828	26,517	51,799	162,271
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total.....	acres.. 49,658	132,400	39,339	11,586	1,412	35,138	3,557	6,517	88,379
10	Corn.....	bushels.. 832,112	3,568,324	806,141	283,496	38,968	705,145	72,692	112,126	1,669,467
11	Oats.....	acres.. 19,572	44,874	16,261	2,420	72	10,918	602	993	36,240
12	Wheat.....	bushels.. 383,338	1,466,346	416,548	61,728	1,530	245,101	19,050	29,275	846,762
13	Emmer and spelt.....	acres.. 11,601	46,314	7,862	5,901	970	10,810	1,495	3,648	21,916
14	Barley.....	bushels.. 293,599	1,357,850	171,295	166,239	30,092	274,132	32,304	59,757	565,775
15	Buckwheat.....	acres.. 7,534	20,321	6,803	1,023	193	3,643	423	396	16,440
16	Rye.....	bushels.. 129,944	414,918	126,527	18,050	4,064	58,053	5,765	4,813	311,607
17	Other grains:									
18	Dry peas.....	acres.. 12	21	1	388	9	166	340	192	20
19	Dry edible beans.....	bushels.. 202	580	16	9,657	180	3,931	8,556	2,411	142
20	Hay and forage:									
21	Total.....	acres.. 95	3,325	117	108	183	29	41	41	204
22	All tame or cultivated grasses.....	bushels.. 1,420	67,769	1,576	3,155	1,842	2,916	506	618	3,271
23	Timothy alone.....	acres.. 1,169	1,459	283	16	776	316	41	41	646
24	Timothy and clover mixed.....	bushels.. 8,444	26,626	12,426	2,473	292	4,673	2,734	339	6,579
25	Clover alone.....	acres.. 9,675	15,688	6,836	1,433	44	8,692	352	1,201	12,891
26	Alfalfa.....	bushels.. 115,165	234,225	77,763	22,194	968	116,339	3,777	14,913	135,231
27	Other tame or cultivated grasses:									
28	Dry peas.....	acres.. 643	59	243	5,629	94	3,180	274	893	33
29	Dry edible beans.....	bushels.. 6,887	923	2,749	58,844	1,808	36,127	3,473	5,823	532
30	Hay and forage:									
31	Total.....	acres.. 3,512	7,862	4,374	490	6	1,141	38	63	580
32	All tame or cultivated grasses.....	bushels.. 27,668	97,891	35,239	4,919	89	8,174	501	646	6,566
33	Timothy alone.....	acres.. 29,989	85,150	28,054	14,359	5,597	27,659	3,538	7,197	56,239
34	Timothy and clover mixed.....	tons.. 40,025	123,835	37,350	18,637	7,316	35,519	3,432	4,199	86,958
35	Clover alone.....	acres.. 27,067	78,570	23,582	13,837	5,287	25,884	3,270	6,885	49,133
36	Alfalfa.....	tons.. 34,520	91,007	31,698	16,792	6,954	31,218	3,124	3,655	61,832
37	Other tame or cultivated grasses:									
38	Timothy alone.....	acres.. 6,086	18,969	4,177	1,707	1,002	3,655	628	1,218	14,770
39	Timothy and clover mixed.....	tons.. 7,455	21,770	5,011	1,991	1,625	4,191	595	628	18,991
40	Clover alone.....	acres.. 18,690	53,069	17,561	11,513	4,244	21,143	2,444	5,354	32,400
41	Alfalfa.....	tons.. 24,162	61,881	23,992	13,995	5,263	25,708	2,340	2,820	40,316
42	Other tame or cultivated grasses:									
43	Alfalfa.....	acres.. 1,865	5,217	1,391	564	34	855	120	302	1,454
44	Millet or Hungarian grass.....	tons.. 2,427	6,534	2,102	736	50	1,041	115	185	1,968
45	Other tame or cultivated grasses:									
46	Millet or Hungarian grass.....	acres.. 96	237	257	5	1	11	2	2	26
47	Other tame or cultivated grasses:									
48	Millet or Hungarian grass.....	tons.. 125	590	407	9	3	19	1	1	90
49	Other tame or cultivated grasses:									
50	Millet or Hungarian grass.....	acres.. 178	129	86	48	6	217	31	11	164
51	Other tame or cultivated grasses:									
52	Millet or Hungarian grass.....	tons.. 206	183	109	61	13	250	39	22	238
53	Other tame or cultivated grasses:									
54	Millet or Hungarian grass.....	acres.. 152	49	110	7	3	3	45	3	313
55	Other tame or cultivated grasses:									
56	Millet or Hungarian grass.....	tons.. 145	49	77	7	3	3	29	3	229
57	Wild, salt, or prairie grasses.....	acres.. 1,311	715	254	65	273	331	85	3	1,537
58	Grains cut green.....	tons.. 1,264	791	663	64	315	433	76	3	1,995
59	Coarse forage.....	acres.. 170	938	226	11	35	100	76	88	402
60	Special crops:									
61	Potatoes.....	tons.. 230	1,204	479	18	43	104	87	74	1,132
62	All other vegetables.....	acres.. 1,440	4,927	1,992	428	2	1,341	109	218	5,158
63	Sugar beets.....	tons.. 4,006	30,833	4,410	1,687	4	3,726	145	445	21,888
64	Maple trees.....	acres.. 7,899	19,985	9,384	1,370	526	9,998	375	2,784	6,288
65	Maple sugar (made).....	bushels.. 577,354	2,287,808	843,864	131,445	67,479	716,968	39,825	220,172	502,264
66	Maple sirup (made).....	acres.. 1,481	1,546	2,527	406	74	907	140	172	2,595
67	Maple sirup (made).....	tons.. 84	310	2	4	.....	.....	.....	.....	910
68	Maple trees.....	number.. 415	1,785	9	25	.....	.....	.....	.....	6,082
69	Maple sugar (made).....	pounds.. 10,050	10,461	21,255	1,868	200	17,461	715	10,420	13,302
70	Maple sirup (made).....	gallons.. 1,175	130	3,510	35	60	545	10	82	827
71	Maple sirup (made).....	gallons.. 3,082	2,775	4,956	595	50	4,385	152	2,681	4,294
FRUITS AND NUTS										
72	Orchard fruits:									
73	Total.....	trees.. 313,669	471,009	569,878	24,846	2,951	78,365	3,651	9,771	303,260
74	Apples.....	bushels.. 361,907	460,643	630,599	32,203	2,785	84,087	5,376	16,253	278,517
75	Peaches and nectarines.....	trees.. 104,191	285,983	186,985	20,010	2,762	58,313	3,086	8,597	174,499
76	Pears.....	bushels.. 223,129	382,369	419,083	28,967	2,743	77,384	5,182	15,647	200,783
77	Plums and prunes.....	trees.. 195,325	140,801	266,660	206	6	10,372	11	3	81,029
78	Cherries.....	bushels.. 131,894	58,307	151,541	70	.....	1,095	7	5	56,825
79	Quinces.....	trees.. 4,166	20,845	9,180	1,015	14	1,802	82	273	24,776
80	Small fruits:									
81	Total.....	bushels.. 2,703	13,934	7,229	925	.....	1,067	46	142	13,898
82	Strawberries.....	acres.. 4,488	9,111	55,308	2,003	101	3,818	191	407	11,441
83	Raspberries and loganberries.....	bushels.. 1,931	1,909	27,329	1,329	35	2,231	58	182	2,685
84	Cherries.....	trees.. 5,247	12,964	51,244	1,595	68	3,973	279	490	10,857
85	Quinces.....	bushels.. 2,187	3,558	25,216	908	7	2,223	83	277	4,151
86	Small fruits:									
87	Total.....	trees.. 152	1,191	383	5	.....	16	.....	.....	659
88	Strawberries.....	bushels.. 31	536	167	1	.....	6	.....	.....	159
89	Raspberries and loganberries.....	vines.. 12,624	29,910	9,272	2,065	.....	2,035	178	1	337,933
90	Nuts.....	pounds.. 90,271	291,171	101,108	10,194	.....	24,842	1,140	12	2,558,822
91	Small fruits:									
92	Total.....	acres.. 69	505	358	8	55	26	2	8	1,071
93	Strawberries.....	quarts.. 70,573	818,241	483,556	11,004	149,582	35,492	2,680	5,905	1,136,790
94	Raspberries and loganberries.....	acres.. 30	203	82	5	55	17	2	8	345
95	Nuts.....	quarts.. 34,439	497,427	148,814	8,199	149,270	24,800	1,875	5,825	547,161
96	Small fruits:									
97	Total.....	acres.. 25	210	154	1	1	.....	.....	.....	562
98	Nuts.....	quarts.. 18,463	213,113	111,367	382	.....	7,318	84	20	427,099
99	Small fruits:									
100	Total.....	trees.. 85	2,226	108	15	104	1	1	1	890
101	Nuts.....	pounds.. 2,530	75,917	2,290	100	.....	3,895	200	.....	18,040

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	Farms reporting.....	1,244	3,203	1,506	446	153	1,081	153	255	1,868
2	Cash expended.....	dollars.. 135,707	600,698	197,539	49,310	38,559	110,023	12,776	31,884	221,239	
3	Rent and board furnished.....	dollars.. 35,241	177,420	41,810	11,202	8,346	36,880	3,976	4,914	66,304	
4	Fertilizer.....	Farms reporting.....	73	1,047	238	8	106	2	10	932	
5	Amount expended.....	dollars.. 1,952	47,778								

AGRICULTURE—MICHIGAN.

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
1	497,109	99,964	4,183,678	3,490,100	2,653,999	4,738,812	248,301	3,647,800	4,637,916	3,648,519	4,366,408	4,364,412	810,897
2	87,290	25,264	1,549,503	1,352,172	1,783,737	1,704,879	25,988	1,457,830	1,543,793	1,384,105	2,526,592	1,661,192	275,432
3	23,603	4,064	607,881	200,309	16,394	753,607	47,240	715,524	822,106	68,569	108,600	5,503	31,671
4	106,506	30,874	991,264	1,295,465	319,901	1,601,613	64,595	865,094	931,943	584,967	1,109,967	833,985	184,659
5	76,365	20,404	295,285	230,805	281,413	168,254	49,954	165,563	291,249	412,513	253,405	1,102,030	173,385
6	21,051	1,949	132,614	163,402	53,509	247,609	11,864	121,130	215,301	1,026,365	168,942	284,329	39,914
7	182,294	17,409	607,131	247,947	199,045	212,790	48,651	322,659	833,524	172,000	208,899	447,373	106,436
8	10,651	2,126	102,590	102,090	109,158	131,721	1,746	85,916	94,858	95,316	130,337	95,323	23,477
9	143,444	40,539	2,939,102	2,433,717	2,974,889	3,388,810	38,383	2,599,429	2,956,203	2,410,972	4,229,678	2,902,061	488,920
10	501	450	30,840	25,435	45,611	19,653	27	28,892	32,990	44,361	48,831	38,042	9,042
11	14,346	10,215	1,141,702	722,203	1,060,521	615,141	740	1,090,976	1,188,091	1,420,050	1,769,335	1,316,913	237,275
12	7,078	998	44,798	55,347	21,053	76,441	639	30,900	40,360	17,528	40,420	35,164	6,680
13	94,695	18,041	1,503,492	1,326,132	531,151	2,069,999	17,621	1,040,363	1,387,949	454,039	1,552,016	1,134,667	151,005
14	1,918	66	11,198	13,929	30,542	19,707	103	13,291	7,517	17,183	28,916	11,115	2,319
15	20,306	1,264	181,637	268,246	615,815	410,630	1,858	241,119	132,908	320,307	683,184	276,455	36,625
16	82	36	2	72	10	177	591	41	22	27	310	24	14
17	1,117	580	50	1,002	285	4,055	10,063	1,073	645	210	.....	1,170	171
18	354	4	2,799	2,046	240	11,005	227	3,479	3,973	197	3,314	1,049	63
19	5,818	90	65,420	40,936	3,263	224,185	5,540	81,710	105,637	3,366	84,021	26,541	385
20	26	154	857	1,589	2,982	1,021	29	499	2,000	6,126	1,497	2,599	1,302
21	349	1,219	7,689	20,561	50,356	13,325	499	6,797	27,966	89,678	22,990	41,061	10,699
22	692	412	3,085	3,672	7,420	3,717	130	8,754	7,910	9,900	7,359	6,724	4,053
23	6,813	8,230	38,900	54,034	107,708	51,475	2,062	137,391	113,107	116,352	118,132	104,259	52,670
24	3,095	70	393	602	118	4,374	2,393	42	465	17	50	5	1,673
25	22,171	937	4,565	5,709	1,021	56,042	35,335	718	5,921	285	1,237	77	19,640
26	61	28	24,422	6,472	854	24,201	5	25,013	26,817	3,028	3,859	172	703
27	1,246	392	310,521	98,343	2,564	343,244	60	355,738	430,231	31,686	43,633	1,760	5,119
28	11,230	1,836	65,307	100,588	35,686	128,878	4,693	58,649	69,845	45,844	77,827	55,591	14,834
29	7,841	2,415	102,342	122,706	33,997	175,005	5,218	88,454	95,011	59,569	116,154	79,329	14,882
30	10,710	1,724	62,568	97,776	31,804	119,703	4,531	57,257	67,939	43,266	73,485	53,294	13,901
31	6,040	2,250	89,178	113,544	29,684	185,631	4,800	82,037	85,073	53,020	100,160	66,322	12,804
32	709	69	11,204	28,343	12,885	27,262	1,045	13,510	16,110	17,798	25,276	16,557	3,474
33	420	92	18,214	33,232	11,853	36,089	1,006	18,679	21,045	22,069	33,212	20,784	2,819
34	9,827	1,089	47,998	65,370	11,691	85,717	3,430	38,713	46,993	22,174	40,787	33,747	9,008
35	5,362	1,429	65,928	75,824	11,201	112,563	3,704	55,563	57,749	27,128	56,310	41,608	8,575
36	58	542	2,500	2,531	6,875	6,382	23	4,790	3,898	2,786	6,599	2,170	728
37	40	694	3,753	3,000	6,244	9,348	44	7,322	5,115	3,122	9,463	3,122	727
38	24	.....	133	27	50	40	.....	106	379	65	308	120	87
39	111	.....	230	45	81	95	.....	275	931	109	659	178	123
40	90	24	489	189	120	258	13	56	305	211	25	197	464
41	105	35	838	241	152	494	26	113	682	300	47	246	547
42	2	.....	244	1,316	183	38	20	82	104	207	490	503	140
43	2	.....	215	1,202	153	42	20	95	151	301	475	384	63
44	82	90	595	822	665	132	5	273	505	607	2,280	272	39
45	20	145	1,086	713	852	115	7	367	495	609	2,011	265	37
46	244	8	138	177	71	67	115	73	22	331	114	42	274
47	151	8	249	227	49	177	127	120	61	707	190	71	242
48	134	8	1,988	1,771	3,146	2,974	26	1,045	1,358	1,637	1,931	1,970	709
49	1,263	12	11,561	8,151	3,406	16,039	78	5,908	8,624	5,187	12,688	12,607	1,673
50	1,937	324	5,184	3,807	6,417	3,409	726	3,057	8,759	7,972	3,707	9,885	8,188
51	257,724	29,213	471,400	378,151	591,794	371,432	86,504	337,589	1,037,699	921,776	390,730	1,078,636	723,101
52	320	89	2,641	1,463	891	891	234	957	1,024	3,427	1,446	6,464	614
53	.....	.....	8,385	2,346	1,859	1,859	.....	4,870	10,988	6	414	1,068	1
54	.....	.....	74,106	19,630	22,287	22,287	.....	39,205	119,144	8	3,377	10,051	18
55	.....	.....	7,071	20,061	962	6,187	1,828	17,816	28,317	23,079	9,730	6,939	3,923
56	.....	.....	720	122	32	.....	.....	1,658	2,124	18,871	100	157	171
57	.....	.....	1,651	5,270	270	1,521	492	4,924	6,106	7,786	3,172	2,053	1,126
58	23,591	1,448	169,142	276,904	96,535	259,463	11,144	185,010	261,656	528,404	243,224	179,607	44,842
59	40,321	1,824	158,670	225,900	54,182	366,108	10,476	232,889	371,979	546,430	263,779	125,119	61,527
60	20,521	1,145	139,742	189,027	58,033	193,470	10,178	151,851	194,780	234,134	262,687	115,871	32,946
61	37,893	1,677	147,144	183,311	40,578	327,637	10,140	222,339	332,936	387,433	245,803	101,301	55,200
62	25	2	2,065	21,236	21,236	32,783	4	7,370	30,738	114,183	45,320	20,797	3,693
63	20	1	189	25,054	7,834	19,953	2	540	17,700	89,011	4,238	3,832	1,172
64	849	32	10,164	25,583	4,856	12,523	63	10,643	13,348	107,786	16,981	24,241	1,299
65	1,040	25	6,467	10,931	2,391	10,478	6	6,513	11,370	47,335	9,409	15,549	5,335
66	1,354	143	7,271	6,952	4,650	7,402	311	4,663	6,521	12,906	7,482	5,892	2,978
67	914	43	1,717	1,684	998	3,106	108	691	2,858	3,583	1,052	950	1,944
68	832	123	9,673	16,491	7,192	13,129	573	10,098	15,719	54,650	10,399	11,737	3,904
69	451	78	3,125	4,831	2,269	4,892	217	2,794	6,947	18,132	2,605	2,958	2,669
70	.....	3	189	137	477	103	.....	358	452	4,422	1,406	1,024	7
71	.....	.....	26	40	102	26	.....	112	121	884	671	528	1
72	48	134	54,356	10,888	55,755	6,109	.....	10,385	26,702	6,000,348	35,501	53,900	665
73	960	1,455	640,738	181,800	319,106	97,420	.....	144,890	270,884	44,406,720	402,294	731,536	12,085
74	10	.....	202	297	95	767	7	179	174	1,560	170	726	41
75	6,992	.....	268,449	431,632	103,224	853,181	24,388	270,426	187,384	1,695,975	234,509	1,788,078	55,500
76	10	.....	130	108	63	86	7	104	40	666	89	448	33
77	5,937	.....	209,256	278,466	76,353	113,222	23,283	194,127	73,917	1,040,615	151,840	1,425,320	48,194
78	.....	.....	58	126	20	561	.....	54	87	467	51	171	5
79	.....	.....	44,988	102,914	11,739	617,038	350	52,758	70,910	391,415	50,066	201,317	4,671
80	.....	4	486	1,529	3,300	129	.....	1,733	250	502	1,028	2,080	67
81	.....	.....	15,746	13,643	54,569	3,260	.....	35,101	6,805	19,348	34,164	53,452	1,502

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	274	105	2,853	2,235	1,693	2,835	229	2,220	2,925	2,023	2,569	2,559	820
2	29,595	27,238	425,864	239,953	204,573	284,342	29,980	313,998	450,933	467,752	456,759	491,740	72,216
3	7,784	6,176	121,835	74,426	53,509	82,985	8,504	72,544	76,977	66,950	153,295	140,286	17,150
4	26	3	710	2,035	103	1,606	22	404	1,477	373	693	2,561	50
5	918	190	14,154	52,155	5,271	32,599							

AGRICULTURE—MICHIGAN.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

	THE STATE.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	
1	Inclusures reporting domestic animals...	67,383	83	221	979	461	253	197	235	723	1,436
2	Value of domestic animals.....dollars..	15,700,343	15,830	72,496	198,299	89,130	76,688	35,989	57,997	139,030	303,396
	Cattle:										
3	Total number.....	47,385	115	303	500	288	217	254	407	436	642
4	Value.....dollars..	1,745,203	2,777	11,486	19,355	9,003	7,266	7,265	14,053	16,350	23,775
5	Number of dairy cows.....	35,345	80	219	390	247	149	155	254	321	511
	Horses:										
6	Total number.....	100,238	108	377	1,430	573	549	253	266	952	2,084
7	Value.....dollars..	13,660,280	12,776	58,847	171,448	79,189	66,630	27,565	43,215	119,780	275,334
8	Number of mature horses.....	99,154	108	373	1,413	567	546	244	266	935	2,065
	Mules and asses and burros:										
9	Total number.....	774	.....	6	29	.....	2	.....	1	8	33
10	Value.....dollars..	111,515	.....	1,000	5,265	.....	300	.....	50	1,200	2,060
11	Number of mature mules.....	684	.....	6	28	.....	2	.....	.....	4	33
	Swine:										
12	Total number.....	13,894	29	84	170	125	253	47	65	116	263
13	Value.....dollars..	144,986	267	1,062	2,138	863	2,407	387	679	1,265	2,070
	Sheep and goats:										
14	Total number.....	8,569	2	23	16	26	9	.....	.....	87	24
15	Value.....dollars..	38,359	10	101	93	95	85	772	.....	455	148

	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	
1	Inclusures reporting domestic animals...	240	1,183	919	1,768	810	406	452	586	232	697
2	Value of domestic animals.....dollars..	61,444	261,604	176,164	396,052	153,195	112,120	106,056	144,272	48,210	131,299
	Cattle:										
3	Total number.....	247	619	456	653	528	353	380	724	282	382
4	Value.....dollars..	8,111	23,466	17,480	24,104	19,187	12,000	12,636	19,624	8,291	14,463
5	Number of dairy cows.....	176	469	363	482	407	262	298	432	180	302
	Horses:										
6	Total number.....	415	1,884	1,301	2,766	1,123	684	643	806	288	948
7	Value.....dollars..	51,823	229,931	154,937	364,315	129,355	92,797	90,355	117,542	38,544	112,412
8	Number of mature horses.....	411	1,869	1,280	2,739	1,109	675	623	794	276	935
	Mules and asses and burros:										
9	Total number.....	5	48	12	25	12	29	5	22	4	9
10	Value.....dollars..	916	6,675	1,050	3,600	1,376	5,875	595	3,782	540	1,925
11	Number of mature mules.....	5	46	10	25	11	29	2	23	3	3
	Swine:										
12	Total number.....	52	130	241	383	255	165	186	105	66	171
13	Value.....dollars..	570	1,311	2,047	3,845	2,784	1,388	2,254	1,237	388	1,604
	Sheep and goats:										
14	Total number.....	9	52	125	44	153	.....	53	702	186	224
15	Value.....dollars..	24	221	650	188	493	.....	216	2,087	447	895

	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Grand Traverse.	Gratiot.	
1	Inclusures reporting domestic animals...	97	716	1,035	1,248	357	1,711	148	1,113	539	811
2	Value of domestic animals.....dollars..	25,483	198,525	176,129	239,144	100,511	431,200	34,038	193,195	135,251	144,543
	Cattle:										
3	Total number.....	129	840	1,523	693	193	588	112	1,759	259	605
4	Value.....dollars..	4,368	29,162	48,121	25,864	7,337	23,015	3,505	71,237	9,296	21,415
5	Number of dairy cows.....	106	657	1,054	544	100	442	76	1,368	221	478
	Horses:										
6	Total number.....	150	1,035	924	1,670	628	2,761	198	663	607	1,002
7	Value.....dollars..	19,770	166,470	125,538	206,900	90,726	400,584	30,085	119,605	124,578	118,611
8	Number of mature horses.....	148	1,012	921	1,631	625	2,738	193	660	591	975
	Mules and asses and burros:										
9	Total number.....	7	2	2	16	3	23	.....	2	5	5
10	Value.....dollars..	795	450	200	2,680	325	3,675	.....	325	750	600
11	Number of mature mules.....	4	2	2	11	2	23	.....	2	5	4
	Swine:										
12	Total number.....	38	266	239	262	195	128	14	215	57	285
13	Value.....dollars..	519	2,410	2,270	2,522	1,943	1,395	109	1,863	587	3,211
	Sheep and goats:										
14	Total number.....	4	5	.....	417	32	550	35	33	5	155
15	Value.....dollars..	40	33	.....	1,478	180	2,531	279	105	40	806

	Hillsdale.	Houghton.	Iron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	
1	Inclusures reporting domestic animals...	1,020	3,076	802	1,541	1,295	322	623	525	1,676	1,412
2	Value of domestic animals.....dollars..	183,101	621,109	162,492	335,459	258,866	58,802	100,338	103,131	342,921	328,302
	Cattle:										
3	Total number.....	568	4,142	722	522	839	343	836	449	814	501
4	Value.....dollars..	21,969	188,148	24,375	20,367	28,236	10,313	30,461	15,103	30,568	19,126
5	Number of dairy cows.....	417	3,297	559	406	580	277	650	336	634	395
	Horses:										
6	Total number.....	1,335	2,631	968	2,452	1,790	357	487	697	2,371	2,489
7	Value.....dollars..	155,101	431,400	134,585	309,944	223,529	47,485	69,118	84,853	306,063	306,610
8	Number of mature horses.....	1,318	2,622	953	2,414	1,760	347	486	676	2,346	2,460
	Mules and asses and burros:										
9	Total number.....	12	.....	5	5	15	.....	2	3	24	11
10	Value.....dollars..	1,835	.....	925	1,335	2,000	.....	260	440	2,790	1,250
11	Number of mature mules.....	9	.....	4	2	12	.....	2	2	15	10
	Swine:										
12	Total number.....	329	134	255	301	275	122	58	118	324	122
13	Value.....dollars..	3,406	1,406	2,108	3,383	2,747	931	509	1,263	3,372	1,206
	Sheep and goats:										
14	Total number.....	162	12	118	86	423	14	.....	330	37	20
15	Value.....dollars..	790	155	499	430	2,354	73	.....	1,472	128	110

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910—Continued.

	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.
1 Inclosures reporting domestic animals..	162	3,134	350	114	783	170	1,546	656	82	349	789
2 Value of domestic animals....dollars..	64,488	881,409	52,520	21,503	160,284	41,220	318,423	130,144	16,295	110,730	208,559
Cattle:											
3 Total number.....	174	1,220	546	195	510	214	474	347	93	581	319
4 Value.....dollars..	5,897	46,870	23,397	5,065	18,942	6,303	20,137	12,127	3,990	17,087	12,310
5 Number of dairy cows.....	110	1,001	409	131	360	143	384	251	78	310	268
Horses:											
6 Total number.....	386	5,784	217	121	1,108	271	2,174	888	75	608	1,233
7 Value.....dollars..	56,965	829,099	28,694	15,250	139,323	34,031	291,855	114,420	12,040	89,755	195,039
8 Number of mature horses.....	382	5,758	217	117	1,081	299	2,148	880	73	605	1,220
Mules and asses and burros:											
9 Total number.....		30	3		3	1	19	8		1	3
10 Value.....dollars..		3,820	180		375	500	2,110	1,045		50	230
11 Number of mature mules.....		29			1		18				2
Swine:											
12 Total number.....	159	123	25	65	104	26	178	155	37	217	72
13 Value.....dollars..	1,026	1,448	239	538	1,417	368	1,551	2,035	265	2,279	824
Sheep and goats:											
14 Total number.....		27	2	12	42	6	371	161		145	33
15 Value.....dollars..		172	10	50	227	18	2,770	517		659	128

	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.
1 Inclosures reporting domestic animals..	630	1,988	360	486	425	323	263	738	843	67	310
2 Value of domestic animals....dollars..	121,119	382,974	84,342	92,746	117,929	55,534	51,460	148,989	164,244	14,472	195,789
Cattle:											
3 Total number.....	400	3,301	347	334	466	392	337	318	663	75	543
4 Value.....dollars..	13,568	121,402	11,087	10,436	13,573	11,907	10,700	10,686	22,522	2,116	19,489
5 Number of dairy cows.....	351	2,297	260	258	346	235	245	241	503	49	420
Horses:											
6 Total number.....	807	1,611	510	609	718	366	309	1,014	1,180	103	1,313
7 Value.....dollars..	105,503	252,924	72,731	81,668	100,900	41,745	39,889	131,180	138,463	11,925	173,545
8 Number of mature horses.....	803	1,591	506	598	712	357	290	998	1,157	102	1,310
Mules and asses and burros:											
9 Total number.....	1	32	3			1		4	8	1	11
10 Value.....dollars..	20	4,900	375			75		235	1,125	50	2,150
11 Number of mature mules.....	1	31	3			1		3	6	1	10
Swine:											
12 Total number.....	190	340	30	63	282	128	100	216	195	58	44
13 Value.....dollars..	1,535	3,743	193	616	3,385	1,536	844	1,859	1,718	381	244
Sheep and goats:											
14 Total number.....	89	1	2	5	18	61	6	6	72		10
15 Value.....dollars..	493	5	6	26	71	271	27	29	416		61

	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.
1 Inclosures reporting domestic animals..	258	1,258	382	181	344	429	14	159	722	272	82
2 Value of domestic animals....dollars..	59,715	200,622	83,556	36,542	96,468	89,143	3,719	59,267	178,351	55,678	24,020
Cattle:											
3 Total number.....	253	588	290	171	600	415	33	151	303	198	80
4 Value.....dollars..	7,833	23,335	10,858	5,837	22,882	13,392	900	5,547	13,261	6,292	2,554
5 Number of dairy cows.....	184	465	229	127	394	302	19	107	277	170	82
Horses:											
6 Total number.....	425	1,932	527	265	416	578	21	361	1,244	361	134
7 Value.....dollars..	50,592	204,864	71,400	30,436	71,959	74,250	2,765	52,080	157,739	47,730	18,480
8 Number of mature horses.....	414	1,916	522	263	412	556	20	359	1,230	361	129
Mules and asses and burros:											
9 Total number.....	4	8	3			4		2	23	3	5
10 Value.....dollars..	640	535	415			475		425	5,800	300	1,000
11 Number of mature mules.....	4	4	3			4		2	23	3	5
Swine:											
12 Total number.....	42	139	71	29	158	65	3	100	138	165	38
13 Value.....dollars..	478	1,403	807	254	1,019	638	54	1,215	1,391	1,342	360
Sheep and goats:											
14 Total number.....	37	85	13	3	2	106			27	6	1,029
15 Value.....dollars..	172	485	76	15	8	388			110	14	1,626

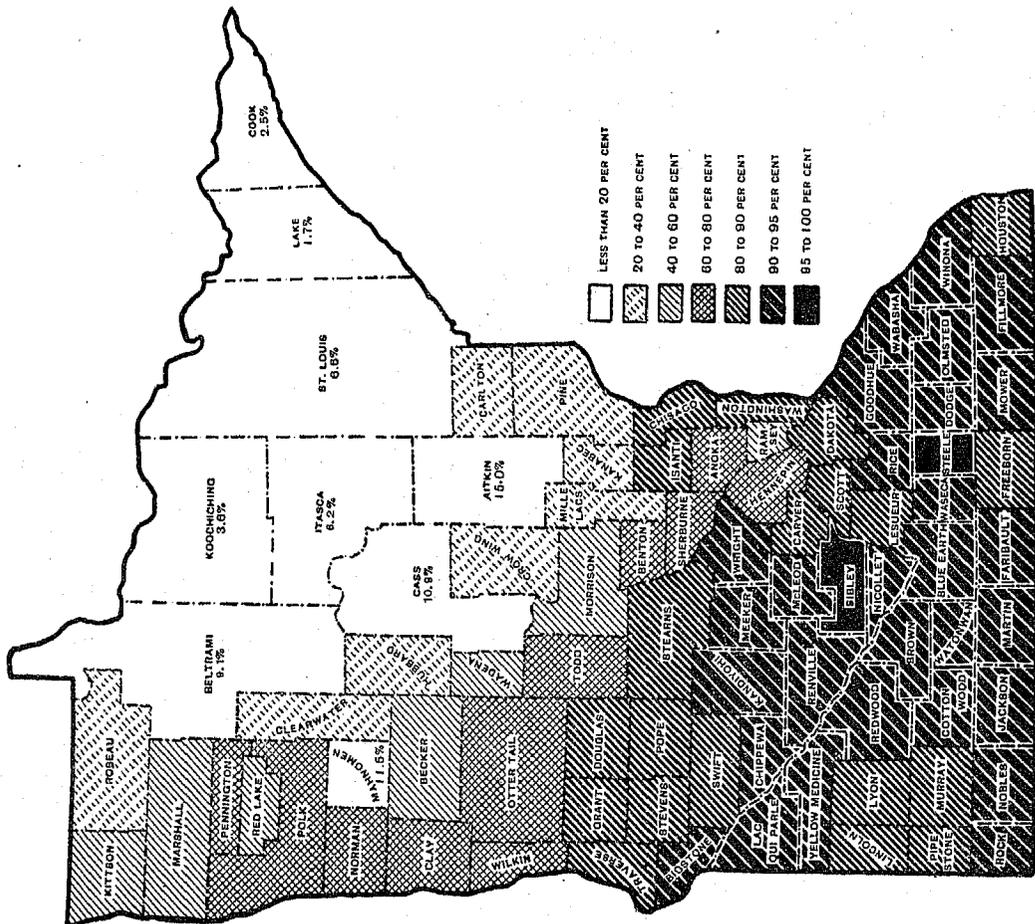
	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
1 Inclosures reporting domestic animals..	1,732	1,054	1,099	872	234	1,149	781	1,035	1,199	6,090	432
2 Value of domestic animals....dollars..	377,850	228,415	220,173	163,753	60,537	237,504	159,382	200,351	295,463	2,464,442	132,798
Cattle:											
3 Total number.....	899	636	653	782	293	588	632	597	529	2,248	364
4 Value.....dollars..	31,745	22,642	22,818	26,900	9,363	22,005	21,963	22,243	20,152	94,866	13,866
5 Number of dairy cows.....	730	490	470	534	194	471	480	482	373	1,404	288
Horses:											
6 Total number.....	2,631	1,438	1,614	1,077	405	1,548	1,061	1,485	1,964	15,554	822
7 Value.....dollars..	340,198	204,102	191,657	134,045	48,230	210,490	132,916	175,407	272,970	2,325,735	116,897
8 Number of mature horses.....	2,613	1,404	1,587	1,050	404	1,527	1,040	1,459	1,948	15,535	818
Mules and asses and burros:											
9 Total number.....	29	1	12	4	2	13	17	10	3	106	4
10 Value.....dollars..	3,440	150	1,835	645	400	2,150	2,400	1,425	325	14,715	400
11 Number of mature mules.....	28	1	12	3	2	12	15	8	3	96	4
Swine:											
12 Total number.....	303	152	306	199	263	151	128	90	183	1,502	153
13 Value.....dollars..	2,373	1,370	2,996	1,629	2,604	1,533	1,243	1,223	1,813	22,311	1,900
Sheep and goats:											
14 Total number.....	23	38	157	122		143	265	12	51	971	56
15 Value.....dollars..	94	151	807	536		714	1,300	53	203	6,815	235

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN MINNESOTA, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 53.5.]

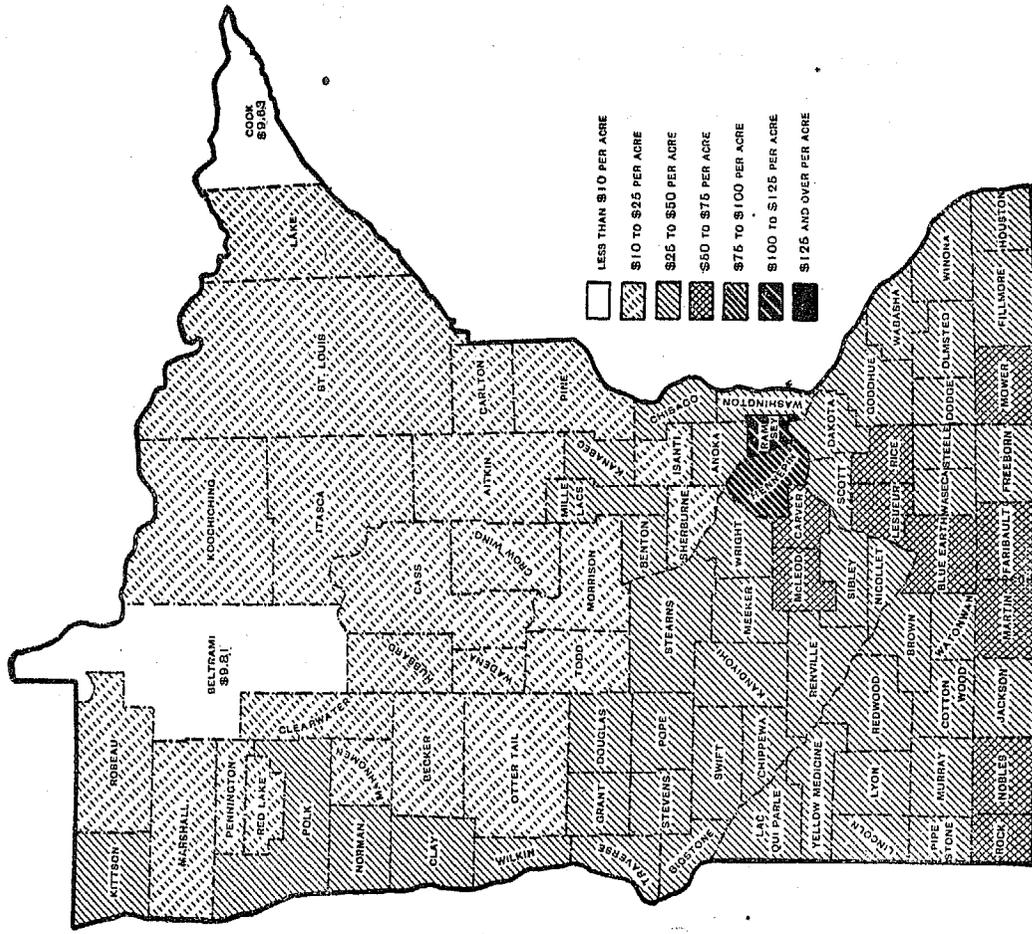
The per cent of land area in farms, when less than 20, is inserted under the county name.



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$36.82.]

When the value is less than \$10 per acre, it is inserted under the county name.



MINNESOTA.

FARMS AND FARM PROPERTY.

Minnesota ranks thirteenth in land area and nineteenth in population among the states and territories of continental United States. All of the southern portion of Minnesota, except the driftless area of the extreme southeastern counties, consists of a heavily glaciated plateau which rises from a general altitude of approximately 1,000 feet along the Mississippi River to altitudes of 1,200 feet in the east central part of the state and to a height of 1,700 feet in the elevated "coteau des prairies" which extends through the southwestern counties and into the Dakotas. The extreme northeastern portion of the state, north of Lake Superior, consists of the low remains of mountain chains which rise to altitudes of 1,500 and 2,000 feet. The more northern portion of the western border of the state lies in the trough of the valley of the Red River of the North and has an elevation ranging from 1,100 feet above sea level to a minimum altitude of approximately 950 feet, where the valley crosses the Canadian border.

The soils of the driftless area, occupying the southeastern counties along the Mississippi River, are prevailing soft, silty loams. Those of the river terraces are usually dark loams, sandy loams, and gravelly loams, well drained and fertile. The soils of the rolling plateau of the southern and southwestern portions of the state are about equally divided between the brown and black silt loams of the prairies and the dark-colored somewhat stony loams of the glaciated and timbered regions. All are excellent general farming soils where properly drained. The north central and northeastern portions of the state are occupied by sandy and gravelly out-wash soils which are not infrequently too porous to permit of the production of the staple crops and which are either timbered or brush-grown. These are interspersed with innumerable lakes, ponds, and swamps and relieved by low, stony ridges or by rocky elevations thinly covered with soil of any description. Around the immediate border of the extremity of Lake Superior there are considerable areas of red clays and clay loams which are becoming occupied for general farming, dairying, and production of vegetable crops. Considerable areas of soil suited to special crop production remain unoccupied in the more northern areas. Buckwheat, rye, potatoes, and timothy and clover should constitute the crops employed in the subjugation and utilization of these lands. Thousands of acres of undrained land await improvement and profitable occupation. The entire Red River Valley region consists of an almost absolutely level central portion and of a rolling margin. The lower lying valley soils are brown to black clay loams and clays, fre-

quently poorly drained but occupied for spring wheat growing upon all of the more elevated and better drained portions. Upon the more loamy or sandy marginal soils buckwheat, potatoes, and some corn are produced. The level character of the valley soils and their great fertility have led to the extensive production of spring wheat as the dominant staple. The growing of barley and of oats is being increased in area as the yields of wheat have become somewhat less from nearly 30 years of almost continuous wheat raising. The southern and western portions of the state are extensively used for general crop production.

The two maps on the opposite page show for the different counties the proportion of the total land area which is in farms and the average value of farm land per acre. Over one-half of the entire land area of the state is in farms, the proportion of farm land showing a gradual increase from the northern to the southern part of the state. The northeastern part of the state is made up of counties each having less than 20 per cent of its land area in farms, while in the extreme southern part of the state is a belt of counties each of which has 80 to 90 per cent or 90 to 95 per cent of its total land area in farms. Two of the counties in the southern part have from 95 to 100 per cent of their total area in farm land. The average value of farm land per acre for the whole state is \$36.82, and, as shown by the second map, the average falls between \$10 and \$25 in most counties of the northern half of the state, and between \$25 and \$50 in most of the counties of the southern half of the state and in all but two of the counties that form the extreme western border of the state. In the southern part of the state are 10 counties in each of which the average is from \$50 to \$75 per acre. In Ramsey County, in which is located the city of St. Paul, the average value of farm land per acre is from \$100 to \$125. Hennepin County, adjoining Ramsey and in which Minneapolis is located, shows an average of from \$75 to \$100 per acre.

Progress during the decade 1900 to 1910.—Between 1900 and 1910 there was an increase of 324,314, or 18.5 per cent, in the population of the state, while the number of farms increased only 1,478, or 1 per cent. The land in farms increased 1,427,325 acres, or 5.4 per cent, while the improved land in farms increased 1,200,948 acres, or 6.5 per cent. The average size of farms increased from 169.7 to 177.3 acres.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), has increased in value during the decade \$687,727,000, or 87.2 per cent.

This great increase is chiefly made up of increases of \$459,800,000 in the value of land and \$133,119,000 in the value of buildings. There is also an increase of \$94,808,000 in the value of farm equipment, which includes implements and machinery and live stock, of which more than three-fourths represents a gain in the value of live stock, and the remainder the increase in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$5,100, while 10 years later it was \$9,456. The average value of land rose from \$21.31 per acre in 1900 to \$36.82 in 1910, this advance being accompanied by increases in the average value per farm of buildings, implements and machinery, and live stock.

The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE.	
			Amount.	Per cent.
Population.....	2,075,708	1,751,394	324,314	18.5
Number of all farms.....	156,137	154,659	1,478	1.0
Approximate land area of the state.....acres..	51,749,120	51,749,120		
Land in farms.....acres..	27,675,823	26,248,498	1,427,325	5.4
Improved land in farms.....acres..	19,643,533	18,442,585	1,200,948	6.5
Average acres per farm.....	177.3	169.7	7.6	4.5
Value of farm property:				
Total.....	\$1,476,411,737	\$788,684,642	\$687,727,095	87.2
Land.....	1,019,102,027	559,301,900	459,800,127	82.2
Buildings.....	243,339,399	110,220,415	133,118,984	120.8
Implements and machinery.....	52,329,165	30,099,230	22,229,935	73.9
Domestic animals, poultry, and bees.....	161,641,146	89,063,097	72,578,049	81.5
Average value of all property per farm.....	\$9,456	\$5,100	\$4,356	85.4
Average value of land per acre.....	\$36.82	\$21.31	\$15.51	72.8

Population, number of farms, and farm acreage: 1850 to 1910.—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Popula- tion.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land im- proved.
		Num- ber.	Per cent of increase.	All land.		Improved land (acres).		
				Acres.	Per cent of in- crease.			
1910.....	2,075,708	156,137	1.0	27,675,823	5.4	19,643,533	53.5	71.0
1900.....	1,751,394	154,659	32.4	26,248,498	40.6	18,442,585	50.7	70.3
1890.....	1,310,283	116,361	26.5	18,063,645	39.2	11,127,953	36.1	59.6
1880.....	780,773	92,386	98.7	13,403,019	106.7	7,246,693	25.9	54.1
1870.....	439,706	46,500	165.8	6,483,828	139.1	2,322,102	12.5	35.8
1860.....	172,023	18,181	11,480.3	2,711,968	9,290.1	556,250	5.2	20.5
1850.....	6,077	157	.....	28,381	.....	5,035	0.1	17.4

In 1850 Minnesota was a frontier territory for which the census reported only 6,077 inhabitants and 157 farms. Naturally the succeeding censuses showed large increases in the number of farms as well as in population. The greatest increase in the number of farms took place in the decade 1870 to 1880, the increase for that decade being 45,886. This was followed by an increase of 24,465 in the next 10 years

and of 37,808 in the decade 1890 to 1900. But by 1900 the period of rapid increase of farms apparently had come to an end, the last 10 years, 1900 to 1910, showing an increase of only 1,478. In fact, in many of the southern and southwestern counties the number of farms decreased between 1900 and 1910, but this decrease was a little more than counterbalanced by the increase in the rest of the state.

The land surface of Minnesota is approximately 51,749,120 acres in extent. Of this area 27,675,823 acres, or 53.5 per cent, are included in farms. Of the farm acreage 19,643,533 acres, or 71 per cent, are reported as improved land, representing 38 per cent of the total land area of the state. The total acreage of farm land increased 5.4 per cent during the last decade. The reported acreage of improved land shows a greater relative increase from 1900 to 1910 than does the total acreage in farms, the percentage of farm land which is improved being a little greater at the census of 1910 than in 1900.

For the longer period covered by the table a very rapid increase from 1850 to 1900 in the total farm acreage and in the acreage of improved land is shown. The proportion of the total land area of the state which was occupied by farms rose during this period, 1850 to 1900, from 0.1 per cent to 50.7 per cent, while the improved land increased from 17.4 to 70.3 per cent of the total land in farms. During the past decade, 1900 to 1910, the increase has been very slow in comparison.

Values of farm property: 1850 to 1910.—The agricultural changes in Minnesota since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1910.....	\$1,476,411,737	87.2	\$1,262,441,426	88.6	\$52,329,105	73.9	\$161,641,146	81.5
1900.....	788,684,642	90.2	669,522,315	96.9	80,099,230	77.9	89,063,007	54.3
1890.....	414,701,626	73.7	340,059,470	75.5	16,916,473	29.2	57,725,683	80.9
1880.....	238,718,864	139.3	193,724,260	147.5	13,089,783	143.4	31,904,821	98.2
1870 ¹	99,749,922	210.1	78,277,954	184.6	5,376,895	428.1	16,095,073	341.8
1860.....	32,166,946	11,779.0	27,505,922	16,834.6	1,018,183	0,271.2	3,642,841	3,822.9
1850.....	270,788	.....	161,948	.....	15,981	.....	92,859	.....

¹ Computed gold values, being 80 per cent of the currency values reported.

The total wealth in the form of farm property is over \$1,476,000,000, of which 85.5 per cent is represented by land and buildings, 3.5 per cent by implements and machinery, and 10.9 per cent by live stock. The percentage gain (87.2 per cent) in the total value of farm property from 1900 to 1910 was less than during any preceding decade except that which ended in 1890, but the absolute increase was almost as great as that during the preceding half century. The high percentages of increase in the early decades are based on comparatively small absolute figures and were the natural result of the rapid development of a new state. In value of domestic animals the per cent of increase from 1900 to 1910 was higher than for either of the two preceding decades.

Average acreage and values per farm: 1850 to 1910.—The changes which have taken place during the past 60 years in the average acreage of Minnesota farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	177.3	\$9,456	\$8,085	\$335	\$1,035	\$45.62
1900.....	169.7	5,100	4,329	195	578	25.51
1890.....	159.7	3,549	2,910	145	494	18.22
1880.....	145.1	2,584	2,097	142	345	14.45
1870 ¹	139.4	2,145	1,683	116	346	12.07
1860.....	149.2	1,769	1,513	56	200	10.14
1850.....	183.9	1,725	1,032	102	591	5.61

¹ Averages are based on "all farms" in state.
² Computed gold values, being 80 per cent of the currency values reported.

In average size the Minnesota farm decreased from 183.9 acres in 1850 to 139.4 in 1870, but since that time it has continuously increased until in 1910 it was 177.3.

The average value of a Minnesota farm, including its equipment, has grown during the last decade from \$5,100 to \$9,456. Of this \$9,456, about \$8,100 represents the value of land and buildings, over \$1,000 the value of live stock, and \$335 the value of implements and machinery. The average value per acre

of land and buildings is nearly twice as great as in 1900. It increased more in the last decade than in the preceding half century.

Farm tenure: 1880 to 1910.—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	156,137	154,659	116,851	92,386
Farms operated by owners and managers.	123,326	127,904	101,747	83,933
Farms consisting of owned land only.....	99,493	112,004	(¹)	(¹)
Farms consisting of owned and hired land.....	22,611	14,805	(¹)	(¹)
Farms operated by managers.....	1,222	1,095	(¹)	(¹)
Farms operated by tenants.....	32,811	26,755	15,104	8,453
Share tenants.....	18,471	21,626	11,683	7,202
Share-cash tenants ²	3,774			
Cash tenants.....	7,918	5,129	3,421	1,251
Tenure not specified ³	2,048			
Per cent of farms operated by—				
Owners and managers.....	79.0	82.7	87.1	90.9
Tenants.....	21.0	17.3	12.9	9.1
Share and share-cash.....	14.2	14.0	10.0	7.8
Cash and nonspecified.....	6.8	3.3	2.9	1.4

¹ Not reported separately.
² Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.
³ Prior to 1910 nonspecified tenants were included with cash tenants.

It is significant that while there was an increase of 1,478 in the total number of farms during the last decade, the number operated by owners and managers decreased 4,578, and the number operated by tenants increased 6,056.

In 1880, 9 out of every 100 farms were operated by tenants. This proportion increased during the following 30 years until, in 1910, 21 out of every 100 farms are thus operated. The increase in the number of tenant farms appears both in those operated by share and share-cash tenants and in those operated by cash and nonspecified tenants, but the increase in the latter has been relatively much more marked. In 1880 share tenancy was more than five and one-half times as frequent as cash tenancy, but in 1910 it was little more than twice as frequent.

The next table shows the acreage, improved acreage, and value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively.

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	27,675,823	26,248,498	19,643,533	18,442,585	\$1,232,441,426	\$689,522,315
Owners.....	20,668,885	20,893,966	14,153,505	14,357,865	920,359,347	519,971,545
Managers.....	413,734	486,147	285,241	293,012	20,900,251	11,703,470
Tenants.....	6,593,204	4,868,385	5,204,787	3,791,708	321,172,828	137,847,300

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	78.2	82.0	74.7	79.6	72.1	77.8	72.9	77.7
Managers.....	0.8	0.7	1.5	1.9	1.5	1.6	1.7	1.7
Tenants.....	21.0	17.3	23.8	18.5	26.5	20.6	25.4	20.6

It will be seen that, in 1910, 74.7 per cent of all land in farms was in farms operated by their owners (including part owners), 1.5 per cent in farms operated by managers, and 23.8 per cent in farms operated by tenants, the percentage for tenants being higher and that for owners and for managers lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (338.6 acres) was much greater than that of farms operated by tenants (200.9 acres), which was in turn larger than that of farms operated by owners (169.3 acres). The average size of farms operated by owners and by tenants increased between 1900 and 1910, while that of farms operated by managers decreased. In 1910 the percentage of farm land improved was highest for the tenant farms and lowest for farms operated by owners.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		IMPROVED.		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	177.3	169.7	125.8	119.2	71.0	70.3	\$8,085	\$4,329	\$45.62	\$25.51
Owners.....	169.3	164.3	115.9	113.2	68.5	68.7	7,538	4,100	44.53	24.89
Managers.....	338.6	444.0	233.4	267.0	68.9	60.3	17,111	10,688	50.54	24.07
Tenants.....	200.9	182.0	158.6	141.7	78.9	77.0	9,789	5,152	48.71	28.31

Farm mortgages: 1890 to 1910.—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED FARMS. ¹		OWNED FARM HOMES. ²		OWNED FARM HOMES. ³	
	1910		1900		1890	
	Number.	Per cent. ³	Number.	Per cent. ³	Number.	Per cent.
Total.....	122,104		125,405		99,911	
Free from mortgage.....	65,038	53.7	60,922	55.2	53,594	53.6
Mortgaged.....	56,145	46.3	64,338	44.8	46,347	46.4
Unknown.....	921		4,145			

¹ Includes all farms owned in whole or in part by the operator.
² The 2,138 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.
³ Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 122,104. Of this number 65,038 were reported as free from mortgage; 56,145 were reported as mortgaged; and for 921 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 46.3 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is about the same as it was in 1900 and in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1910 there has been a considerable net increase in the number of farms, both mortgaged and free of mortgage.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 56,145 farms reported as mortgaged, 42,951 are wholly owned by the farmers, and for 41,775 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average

value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE.	
	1910 ¹	1890 ²	Amount.	Per cent.
Number.....	41,775	46,347		
Value—Land and buildings.....	\$295,015,775	\$119,290,539		
Amount of mortgage debt.....	\$77,866,283	\$37,709,574		
Per cent of debt to value.....	26.4	31.6		
Average value per farm.....	\$7,062	\$2,574	\$4,488	174.4
Average debt per farm.....	\$1,864	\$814	\$1,050	129.0
Average equity per farm.....	\$5,198	\$1,760	\$3,438	195.3

¹ Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
² Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms increased in the 20 years from \$814 to \$1,864, or 129 per cent, while the average value of such farms rose from \$2,574 to \$7,062, or 174.4 per cent. Thus the owner's equity increased from \$1,760 to \$5,198, or 195.3 per cent. As a result of the greater relative increase in farm value than in farm debt the mortgage indebtedness, which was 31.6 per cent of the value of the mortgaged farms in 1890, had decreased to 26.4 per cent of that value in 1910.

Farms by size groups: 1910 and 1900.—The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
	Total.....	156,137	154,659	1,478	1.0	100.0	100.0
Under 3 acres.....	294	555	-261	-47.0	0.2	0.4
3 to 9 acres.....	2,555	1,994	561	28.1	1.6	1.3
10 to 19 acres.....	2,770	2,254	516	22.9	1.8	1.5
20 to 49 acres.....	12,028	13,278	-1,250	-9.4	7.7	8.6
50 to 99 acres.....	26,571	30,990	-4,419	-14.3	17.0	20.0
100 to 174 acres.....	55,424	56,785	-1,361	-2.4	35.5	36.7
175 to 259 acres.....	27,972	24,933	3,039	12.2	17.9	16.1
260 to 499 acres.....	24,864	20,540	4,324	21.1	15.9	13.3
500 to 999 acres.....	3,359	2,965	394	13.3	2.2	1.9
1,000 acres and over.....	300	365	-65	-17.8	0.2	0.2

¹ A minus sign (-) denotes decrease.

More than 70 per cent of the farms in Minnesota are at least 100 acres in size. The largest group shown in the table is that composed of farms from 100 to 174 acres and it contains more than one-third of the farms. The next largest group is that containing farms from 175 to 259 acres. More than half of the farms are in these two groups from 100 to 259 acres. Only about 11 per cent of the farms are less than 50 acres in size and those under 20 acres are very uncommon, forming only about 4 per cent of the total.

The largest numerical increase in any class of farms was exhibited by those from 260 to 499 acres in size. They increased 4,324, or 21.1 per cent. The next largest increase, 3,039, was in farms from 175 to 259 acres. Farms from 20 to 174 acres decreased, as did the very large farms, 1,000 acres and over, and the very small places, under 3 acres. This latter decrease may be due to a different interpretation by the enumerators

as to what to include as a small farm or may represent an actual decrease in that type of farm.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 5,619), and also the farms of between 175 and 499 acres (numbering 52,836):

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	27,975,833	26,248,498	19,643,533	18,442,585	\$1,262,441,420	\$669,522,315
Under 20.....	49,878	43,331	39,373	33,182	14,224,838	6,211,740
20 to 49.....	435,063	494,528	244,221	276,956	28,066,718	17,148,590
50 to 99.....	2,055,944	2,316,708	1,258,358	1,417,107	106,823,204	69,955,330
100 to 174.....	8,031,778	8,508,727	5,245,521	5,642,612	355,727,207	208,328,625
175 to 499.....	14,515,821	12,375,525	10,910,810	9,302,568	653,610,760	313,835,740
500 to 999.....	2,118,081	1,871,977	1,617,491	1,382,588	85,072,938	42,047,170
1,000 and over.....	468,358	637,702	327,759	387,572	17,409,755	11,945,120

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres.....	3.0	3.1	0.2	0.2	0.2	0.2	1.1	0.9
20 to 49 acres.....	7.7	8.6	1.6	1.9	1.2	1.5	2.3	2.6
50 to 99 acres.....	17.0	20.0	7.4	8.8	6.4	7.7	8.5	10.4
100 to 174 acres.....	35.5	36.7	29.0	32.4	26.7	30.0	28.2	31.1
175 to 499 acres.....	33.3	29.4	52.4	47.1	55.5	50.4	51.8	46.9
500 to 999 acres.....	2.2	1.9	7.7	7.1	8.2	7.5	6.8	6.3
1,000 acres and over.....	0.2	0.2	1.7	2.4	1.7	2.1	1.4	1.8

Of the total farm acreage of the state in 1910, 52.4 per cent was in farms of 175 to 499 acres, and 29 per cent in farms of 100 to 174 acres, these two size groups comprising more than four-fifths of the aggregate acreage. Between 1900 and 1910 the proportion of the total acreage in farms of under 20 acres remained the same, while there was a decrease in the proportion in farms of 20 to 174 acres and in those of 1,000 acres and over, and an increase in the proportion in those of 175 to 999 acres.

As shown by the next table, while the proportion of improved land is highest for the farms of under 20 acres, it generally increases with the increase in the size of the farms, this rather unusual condition being due to the fact that the large farms are for the most part located in the western part of the state, which consists of prairie land, while the majority of the small farms are located in the rugged eastern sections. Owing to the fact that buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land generally diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those in any other size group.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	71.0	70.3	\$8,085	\$4,328	\$45.62	\$25.51
Under 20 acres.....	78.9	76.6	2,532	1,293	285.10	143.36
20 to 49 acres.....	50.0	50.0	2,408	1,292	66.44	34.68
50 to 99 acres.....	61.2	61.2	4,020	2,267	51.96	30.20
100 to 174 acres.....	65.3	66.3	6,413	3,609	44.29	24.48
175 to 499 acres.....	75.2	75.2	12,371	6,903	45.03	25.36
500 to 999 acres.....	76.4	73.9	25,505	14,181	40.45	22.46
1,000 acres and over.....	70.0	60.8	58,033	32,726	37.17	18.73

Color and nativity of farmers: 1910.—Nearly one-half of the Minnesota farmers were native whites, while over one-half were foreign-born whites. Only 293, or two-tenths of 1 per cent of all farmers, were nonwhite, 264 being Indians and 29 negroes. It was significant that only 13.9 per cent of the foreign-born white farmers were tenants, while 28.7 per cent of the native white farmers were in this class.

Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concern-

ing the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Own-ers.	Ten-ants.	Man-agers.	Per cent of total.		
	Num-ber.	Per cent dis-tribution.				Own-ers.	Ten-ants.	Man-agers.
Total.....	156,137	100.0	122,104	32,811	1,222	78.2	21.0	0.8
Native white.....	74,710	47.9	52,427	21,446	837	70.2	28.7	1.1
Foreign-born white	81,194	52.0	69,483	11,268	383	85.6	13.9	0.6
Negro and other nonwhite.....	293	0.2	194	97	2	66.2	33.1	0.7

Of the 81,134 foreign-born white farmers in Minnesota in 1910, 22,011 were born in Germany; 19,760 in Sweden; 19,206 in Norway; 3,583 in Canada; 3,432 in Denmark; and 3,385 in Austria. Other European countries were represented by 9,649 farmers and non-European countries, other than Canada, by 108.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15 and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this bulletin, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

The total of live stock on farms, including domestic animals, poultry and bees in 1910 was \$161,641,000, of which domestic animals contributed \$156,772,000. The value of cattle represented 31.1 per cent of the total value of live stock; that of horses and mules, 55.6 per cent; that of swine, 8.6 per cent; that of sheep and lambs, 1.7 per cent; and that of poultry, 2.9 per cent, the other classes being insignificant.

Of the total number of farms enumerated, 151,531, or 97.1 per cent, report domestic animals of some kind, the number without any domestic animals being only 4,606.

Of all the farms in the state, 94 per cent report cattle of some sort, 93.2 per cent, "dairy cows," and only 38 per cent, "other cows." Only 1,119 farms have cattle without having dairy cows. The total number of cows increased nearly 60 per cent during the decade, while the average value of dairy cows increased from \$28.55 to \$30.66. The farms reporting dairy cows show an average of over 7 per farm.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 566,000 to 374,000, and the average value decreasing from \$7.52 to \$5.23.

Horses are reported by 91.5 per cent of all the farms in the state, but only 7.8 per cent report colts born in 1910 and 28.8 per cent report yearling colts. The average value of spring colts is about one-fourth, and that of yearlings slightly less than one-half that of mature horses, which is \$125.50.

Less than one farm out of every fifty reports mules and mule colts. The average values of mules of the different age groups are somewhat higher than for horses of the corresponding age groups.

Sheep and lambs are reported from 24,565 farms, or 15.7 per cent of all the farms in the state. Of these farms, 62.4 per cent report spring lambs, the number of the latter being equal to 44.4 per cent of the number of ewes; this comparatively small proportion is doubtless due to the early date of enumeration. Ewes are reported from all but 697 of the farms reporting sheep, and for the farms reporting, the average is over 17 ewes per farm. The farms reporting rams and wethers show an average of about 4 per farm.

Of all farms, 69.6 per cent report swine, the average number being 14 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is nearly \$15, while that of spring pigs is about one-sixth as much.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Per cent of all farms.	Number.	Value.	Average value.
Total.....	151,531	97.1	.....	\$156,771,855	.....
Cattle	146,703	94.0	2,347,435	50,306,372	\$21.43
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	145,584	93.2	1,085,388	33,276,653	30.66
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	59,312	38.0	218,948	4,616,179	21.08
Heifers born in 1909.....	101,733	65.2	323,948	3,842,647	11.86
Calves born after Jan. 1, 1910.....	103,983	66.6	373,537	1,952,261	5.23
Steers and bulls born in 1909.....	60,029	42.3	207,569	2,706,374	13.04
Steers and bulls born before Jan. 1, 1909.....	47,880	30.7	138,045	3,912,258	28.34
Horses	142,846	91.5	753,184	89,068,872	118.26
Mares, stallions, and geldings born before Jan. 1, 1909.....	142,511	91.3	675,509	84,779,112	125.50
Colts born in 1909.....	45,016	29.8	63,069	3,840,249	60.89
Colts born after Jan. 1, 1910.....	12,148	7.8	14,606	440,511	30.78
Mules	2,813	1.8	5,775	732,723	126.88
Mules born before Jan. 1, 1909.....	2,530	1.6	5,213	697,451	133.79
Mule colts born in 1909.....	328	0.2	444	31,077	69.99
Mule colts born after Jan. 1, 1910.....	101	0.1	118	4,195	35.55
Asses and burros	144	0.1	219	22,357	104.37
Swine	108,609	69.6	1,520,257	13,929,127	9.16
Hogs and pigs born before Jan. 1, 1910.....	104,212	66.7	833,970	12,277,431	14.72
Pigs born after Jan. 1, 1910.....	48,930	31.3	686,287	1,651,696	2.41
Sheep	24,565	15.7	637,582	2,693,424	4.22
Ewes born before Jan. 1, 1910.....	23,868	15.3	417,652	2,190,295	5.24
Rams and wethers born before Jan. 1, 1910.....	9,262	5.9	34,419	193,042	5.63
Lambs born after Jan. 1, 1910.....	15,317	9.8	185,511	309,487	1.67
Goats	784	0.5	4,588	18,480	4.03

Poultry on farms: 1910 and 1900.—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Percent of all farms.			
Total	142,659	91.4	10,697,075	\$4,646,960	8,142,693
Chickens.....	142,531	91.3	10,293,843	4,231,719	7,780,940
Turkeys.....	31,750	20.3	147,335	224,096	193,143
Ducks.....	23,692	15.2	94,269	55,322	127,635
Geese.....	27,865	17.8	105,155	122,576	90,975
Guinea fowls.....	2,673	1.7	10,927	4,541	(1)
Pigeons.....	2,432	1.6	45,266	7,862	(2)
All other.....	107	0.1	280	844	(3)

¹ Included with chickens. ² Not reported. ³ 105 farms report 268 peafowls, valued at \$314; 1 farm reports 6 wild geese, valued at \$20; and 1 farm reports 6 pheasants, valued at \$10.

The increase in the number of fowls on Minnesota farms during the last 10 years amounts to 31.4 per cent. During the same period, the value increased from \$2,275,000 to \$4,647,000, or 104.3 per cent. The number of farms reporting poultry increased from 136,623 to 142,659, and the average number of fowls per farm reporting from 60 to 75. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind, as in 1910.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has increased from 6,078 in 1900 to 9,522 in 1910, or 56.7 per cent. The number of colonies of bees increased from 45,877 to 56,677, or 23.5 per cent, and their value increased from \$167,280 to \$221,781, or 32.6 per cent. The average value of bees per farm reporting was \$27.52 in 1900 and \$23.29 in 1910. About six farms in every one hundred report bees.

Domestic animals not on farms: 1910.—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total	50,412	.....	\$12,862,351	.....
All cattle.....	29,073	53,946	1,721,245	\$31.61
Dairy cows.....	29,259	40,979	1,530,365	37.35
Horses.....	33,212	83,654	10,809,499	129.22
Mules.....	301	1,017	172,823	169.93
Asses and burros.....	68	100	29,608	208.03
Swine.....	2,490	10,365	125,603	12.12
Sheep.....	216	2,162	10,497	4.86
Goats.....	170	373	2,076	5.57

As would be expected, horses are by far the most important class of domestic animals not on farms, both in number and in value; cattle, nearly four-fifths of which are dairy cows, rank next in importance.

Domestic animals on farms and not on farms: 1910.—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
Total.....	.....	\$169,634,206	.....	\$156,771,855	.....	\$12,862,351
All cattle.....	2,401,381	52,027,617	2,347,435	50,306,372	53,946	1,721,245
Dairy cows.....	1,126,367	34,807,018	1,085,388	33,276,653	40,979	1,530,365
Horses.....	836,838	99,878,371	753,184	89,068,872	83,654	10,809,499
Mules.....	6,792	905,546	5,775	732,723	1,017	172,823
Asses and burros.....	319	43,465	219	22,357	100	20,608
Swine.....	1,530,622	14,054,730	1,520,257	13,929,127	10,365	125,603
Sheep.....	639,744	2,703,921	637,582	2,693,424	2,162	10,497
Goats.....	4,961	20,556	4,588	18,480	373	2,076

The total value of all domestic animals in the state in 1910 was \$169,634,000, of which the value of animals not on farms represented 7.6 per cent.

LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops, the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

Dairy products: 1909 and 1899.—The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms April 15, 1910.....	145,584	93.2	1,085,388	Head.		
On farms reporting dairy products in 1909.....	133,877	85.7	1,035,290	Head.		
On farms reporting milk produced in 1909.....	96,413	61.8	725,907	Head.		
Specified dairy products, 1909:						
Milk reported.....			273,319,603	Gals.		
Butter made.....	85,001	54.4	34,708,669	Lbs.	\$8,593,233	\$0.25
Cheese made.....	354	0.2	106,075	Lbs.	14,375	0.14
Milk sold.....	15,632	10.0	53,181,785	Gals.	6,146,512	0.12
Cream sold.....	17,161	11.0	5,750,165	Gals.	3,542,993	0.62
Butter fat sold.....	48,658	31.2	40,414,151	Lbs.	10,922,295	0.27
Butter sold.....	43,577	27.9	18,015,409	Lbs.	4,591,554	0.25
Cheese sold.....	113	0.1	79,045	Lbs.	10,870	0.14
Total receipts from sales, 1909.....					25,214,222	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					29,219,406	
Specified dairy products, 1899:						
Butter made.....	102,896	66.5	41,183,846	Lbs.		
Cheese made.....	973	0.6	290,623	Lbs.		
Butter sold.....			22,376,084	Lbs.	3,500,323	0.16
Cheese sold.....			227,878	Lbs.	22,745	0.10

The number of farms reporting dairy cows on April 15, 1910, was 145,584, but only 133,877 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 96,413 (considerably less than the

total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 726,000. The amount of milk reported was 273,320,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 377 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$29,219,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Only about one-fifth of the milk reported by Minnesota farmers in 1909 was sold as such. Comparatively large quantities of milk and cream were sold on the butter fat basis. The butter made on farms in 1909 was valued at \$8,593,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, and a still greater relative decrease in the production of cheese.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.¹

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 7,644 farmers who reported the possession of 88,568 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909, and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

The total number of sheep of shearing age in Minnesota on April 15, 1910, was 452,000, representing an increase of 25.8 per cent as compared with the number on June 1, 1900 (359,000). The approximate production of wool during 1909 was 454,000 fleeces, weighing 3,259,000 pounds, and valued at \$817,000. Of these totals about 15 per cent represents estimates. The number of fleeces produced in 1909 was 20.6 per cent greater than in 1899. The average weight per fleece in 1909 was 7.2 pounds, as compared with 6.9 pounds in 1899, and the average value per pound was 25 cents, as compared with 18 cents in 1899.

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	24, 482	452, 071			
Wool produced, as reported, 1909.....	17, 710		387, 599	2, 775, 947	\$693, 971
On farms reporting sheep April 15, 1910.....	16, 838	363, 503	364, 719	2, 620, 736	656, 829
On other farms.....	872		22, 880	155, 211	37, 142
Total production of wool (partly estimated):					
1909.....			453, 583	3, 250, 282	816, 866
1899.....			376, 009	2, 612, 737	460, 305
Increase, 1899 to 1909.....			77, 574	646, 545	356, 561
Per cent of increase.....			20.6	24.7	77.5

Goat hair and mohair: 1909 and 1899.—Although 784 farmers reported 4,588 goats and kids on their farms April 15, 1910, only 131 reported the production of goat hair or mohair during 1909. These farmers reported 1,952 fleeces, weighing 6,929 pounds and valued at \$1,987. Although the production is still unimportant, some increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

Poultry products: 1909 and 1899.—The next statement gives data relative to the production and sale of eggs and poultry.

The total number of fowls on Minnesota farms on April 15, 1910, was 10,697,000. Of the 142,659 farms reporting fowls, 12,933 did not report any eggs produced in 1909, and 18,391 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 50,413,000 dozens, valued at \$9,151,000. According to the Twelfth Census reports the production of eggs in 1899 was 43,208,000 dozens, the value being \$4,437,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs

in 1909, including these estimates, was 53,808,000 dozens, valued at \$9,767,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 11,863,000 fowls, valued at \$4,715,000.

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms April 15, 1910.....	142, 659	10, 697, 075		
On farms reporting eggs produced in 1909.....	129, 726	10, 047, 604		
On other farms.....	12, 933	649, 471		
Eggs produced, as reported, 1909.....	130, 527		50, 413, 375	\$9, 151, 211
Total production of eggs (partly estimated):				
1909.....			53, 807, 974	9, 767, 410
1899.....			43, 208, 130	4, 437, 148
Increase, 1899 to 1909.....			10, 599, 844	5, 330, 262
Per cent of increase.....			24.5	120.1
Eggs sold, as reported, 1909.....	116, 514		34, 347, 776	6, 212, 270
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909.....	124, 268	9, 859, 025		
On other farms.....	18, 391	838, 050		
Poultry raised, as reported, 1909.....	125, 331		No. of fowls.	4, 345, 534
Total poultry raised (partly estimated):			10, 833, 411	
1909.....			11, 862, 787	4, 714, 019
1899.....				2, 927, 717
Increase, 1899 to 1909.....				1, 787, 202
Per cent of increase.....				61.0
Fowls sold, as reported, 1909.....	78, 699		3, 704, 433	1, 796, 502

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The following statement presents statistics relating to the sale or slaughter of domestic animals by Minnesota farmers during the year 1909, with certain items for 1899:

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$34, 121, 517	
Slaughtered.....				6, 942, 498	
Calves:					
Sold.....	40, 529	28.0	176, 070	1, 067, 071	\$6.03
Slaughtered.....	28, 204	18.1	80, 493	484, 501	5.40
Other cattle:					
Sold.....	79, 284	50.8	442, 034	11, 958, 640	27.05
Slaughtered.....	47, 403	30.4	79, 226	1, 528, 080	19.29
Horses:					
Sold.....	24, 448	15.7	45, 790	5, 847, 186	127.70
Mules:					
Sold.....	375	0.2	687	85, 498	124.45
Asses and burros:					
Sold.....	53	(1)	341	7, 127	20.90
Swine:					
Sold.....	74, 047	47.4	1, 038, 711	13, 999, 240	13.48
Slaughtered.....	100, 583	64.4	314, 597	4, 908, 163	15.60
Sheep:					
Sold.....	8, 599	5.5	242, 613	1, 153, 716	4.76
Slaughtered.....	5, 418	3.5	16, 231	71, 202	4.39
Goats:					
Sold.....	124	0.1	315	3, 039	8.73
Slaughtered.....	50	(1)	161	572	3.55
1899—All domestic animals:					
Sold ²				16, 046, 622	
Slaughtered.....				4, 908, 051	

¹ Less than one-tenth of 1 per cent.

² Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$34,122,000, and that of animals slaughtered on farms \$6,942,000, making an aggregate of \$41,064,000. This total, however, involves considerable dupli-

cation resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the swine sold during 1909 represented more than two-fifths of the total value of all animals sold, and the value of the cattle (including calves) sold represented somewhat less than two-fifths.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the total value of those slaughtered during 1899, which amounted, respectively, to \$16,047,000 and \$4,908,000. The item of sales is not closely comparable with that for 1909, when the

inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

Honey and wax: 1909.—Although, as noted elsewhere, 9,522 farms reported 56,677 colonies of bees on hand April 15, 1910, 3,670 of these farms, with 10,778 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 976,262 pounds of honey, valued at \$120,560, and 16,880 pounds of wax, valued at \$4,057; the true totals are doubtless somewhat above these figures.

CROPS.

Summary: 1909 and 1899.—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general

changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase, ¹		1909	1899	1909	1899	Increase, ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$193,451,474	\$115,694,937	\$77,756,537	67.2	100.0	100.0
Crops with acreage reports.....	14,731,464	15,119,570	-388,106	-2.6	75.0	82.0	185,832,198	112,420,730	73,411,468	65.3	96.1	97.2	
Cereals.....	10,139,850	11,207,009	-1,067,219	-9.5	51.6	60.8	140,864,148	85,817,555	55,046,593	64.1	72.8	74.2	
Other grains and seeds.....	383,964	570,761	-206,797	-36.2	1.9	3.1	5,006,942	5,957,579	-950,637	-16.0	2.6	5.1	
Hay and forage.....	3,046,072	3,157,690	788,382	25.0	20.1	17.1	26,724,801	14,585,281	12,139,520	83.2	13.8	12.6	
Tobacco.....	150	117	33	28.2	(²)	(²)	20,554	12,869	7,685	59.7	(²)	(²)	
Sugar crops.....	3,947	4,397	-450	-10.2	(²)	(²)	202,591	119,540	83,051	69.5	0.1	0.1	
Sundry minor crops.....	13	150	-137	-91.3	(²)	(²)	8,416	4,630	3,786	81.8	(²)	(²)	
Potatoes and sweet potatoes and yams.....	223,602	146,663	77,029	52.5	1.1	0.8	7,685,339	3,409,146	4,276,193	125.4	4.0	2.9	
Other vegetables.....	46,021	23,361	17,660	62.3	0.2	0.2	3,360,062	1,503,401	1,856,661	123.4	1.7	1.3	
Flowers and plants and nursery products.....	4,017	1,270	2,747	216.3	(²)	(²)	1,466,049	671,160	795,789	118.6	0.8	0.8	
Small fruits.....	3,738	3,092	646	20.9	(²)	(²)	493,406	339,569	153,837	45.3	0.3	0.3	
Crops with no acreage reports.....							7,619,276	3,274,207	4,345,069	132.7	3.9	2.8	
Seeds.....							1,508,083	538,550	964,533	170.1	0.8	0.5	
Fruits and nuts.....							813,971	125,240	688,731	549.9	0.4	0.1	
Maple sugar and sirup.....							23,382	3,672	19,660	536.2	(²)	(²)	
Forest products of farms.....							5,181,508	2,402,335	2,579,173	90.1	2.7	2.2	
Miscellaneous.....							97,352	4,410	92,942	2,107.5	0.1	(²)	

¹ A minus sign (-) denotes decrease.

² Less than one-tenth of 1 per cent.

³ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$193,451,000. Of this amount, 96.1 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 14,731,464, representing 75 per cent of the total improved land in farms (19,643,533 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house

and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of Minnesota agriculture is indicated by the fact that about three-fourths (72.8 per cent) of the total value of crops in 1909 was contributed by the cereals and about one-eighth (13.8 per cent) by hay and forage. The remainder, representing 13.4 per cent of the total value, consisted mostly of potatoes and other vegetables and of forest products.

The total value of crops in 1909 was 67.2 per cent greater than in 1899. This increase was due in part to higher prices. There was a decrease of 2.6 per cent

in the acreage of crops for which acreage was reported, the decrease in the acreage of cereals being more than 1,000,000 acres, while there were increases in the acreage of hay and forage and of vegetables.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops:

CROP.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total		10,139,860	259,148,531	Bu...	\$140,864,148
Corn.....	113,061	2,004,068	67,897,051	Bu...	30,510,145
Oats.....	118,692	2,977,258	93,897,717	Bu...	34,023,389
Wheat, total.....	93,049	3,276,911	57,094,412	Bu...	56,007,435
Common winter.....	3,560	69,036	1,216,695	Bu...	1,199,810
Common spring.....	87,063	3,034,120	53,068,049	Bu...	52,539,200
Durum or macaroni.....	5,715	173,755	2,809,668	Bu...	2,268,425
Emmer and spelt.....	3,108	30,891	757,339	Bu...	338,841
Barley.....	85,681	1,573,761	34,927,773	Bu...	17,213,817
Buckwheat.....	1,516	10,309	144,861	Bu...	89,058
Rye.....	18,777	266,567	4,426,028	Bu...	2,079,987
Kafr corn and milo maize.....	10	75	3,335	Bu...	1,460
Rough rice.....	1	10	15	Bu...	10
Other grains and seeds with acreage report, total		363,964	3,355,239	Bu...	5,006,942
Dry edible beans.....	4,587	4,697	62,822	Bu...	124,096
Flaxseed.....	23,010	358,426	3,277,238	Bu...	4,863,328
Dry peas.....	530	835	14,964	Bu...	18,384
Seeds with no acreage report, total					1,503,083
Timothy seed.....	10,282	(³)	876,457	Bu...	1,150,126
Clover seed.....	3,342	(³)	48,013	Bu...	326,200
Millet seed.....	277	(³)	20,371	Bu...	18,856
Flower and garden seeds.....	22	(³)			6,045
Hay and forage, total	138,880	3,946,072	6,036,747	Tons.	26,724,801
Timothy alone.....	45,100	780,375	1,101,510	Tons.	5,913,196
Timothy and clover mixed.....	54,047	829,600	1,433,075	Tons.	7,915,659
Clover alone.....	6,848	57,358	106,334	Tons.	572,799
Alfalfa.....	568	2,288	6,314	Tons.	44,540
Millet or Hungarian grass.....	3,920	27,136	50,383	Tons.	231,527
Other tame or cultivated grasses.....	6,485	118,493	188,371	Tons.	793,169
Wild, salt, or prairie grasses.....	84,552	1,988,664	2,714,121	Tons.	9,609,031
Grains cut green.....	2,775	19,981	31,060	Tons.	143,120
Coarse forage.....	15,905	121,619	401,614	Tons.	1,471,445
Root forage.....	899	558	3,965	Tons.	30,315
Potatoes	132,492	223,692	26,802,948	Bu...	7,685,259
Sweet potatoes and yams.....	15	(⁴)	50	Bu...	80
Tobacco.....	186	150	173,321	Lbs.	20,564
Sundry minor crops, total		13			3,416
Ginseng.....	23				7,640

¹ Includes small amounts of broom corn seed and peanuts.
² Includes small amounts of other varieties of grass seeds.
³ The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.
⁴ Reported in small fractions.
⁵ Includes small amounts of hops and broom corn.

The leading crops shown in the table, in the order of their importance as judged by total value in 1909, are wheat, \$56,007,000; oats, \$34,023,000; corn, \$30,510,000; hay and forage, \$26,725,000; barley, \$17,214,000; and potatoes, \$7,685,000.

In value wheat leads all other crops, being almost one and two-thirds times as valuable as oats, which is the second crop in rank. Though fourth in value, hay and forage ranks first in number of farms reporting and in acreage.

The acreage of oats is over nine-tenths that of wheat, and nearly one and one-half times that of corn. The

acreage of barley is a little less than half that of wheat.

The cereals altogether have an acreage over two and a half times as great as that of hay and forage, and a value over five times as great. Flaxseed and potatoes show important acreages, and run into the millions of dollars in value.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Barley.	Flaxseed.	Hay and forage.
1909.....	2,004,068	2,977,258	3,276,911	1,573,761	358,426	3,946,072
1899.....	1,441,580	2,201,325	6,560,707	877,845	566,801	3,157,690
1889.....	901,690	1,579,258	3,372,627	358,510	303,635	2,709,191
1879.....	438,737	617,469	3,044,070	116,020	(¹)	1,053,378

¹ Not reported.

During the 30 years covered by the table, corn has made consistent gains of almost 500,000 acres a decade. Oats have followed a very similar course, increasing between 622,000 and 962,000 acres each decade, reaching in 1909 an acreage nearly five times as great as that of 1879. The acreage of wheat increased but little from 1879 to 1889, almost doubled during the next decade, and by 1909 had fallen to a point a little below that of 1889. Barley has increased rapidly throughout the period, having in 1909 an acreage over thirteen times as great as in 1879. Flaxseed made a rapid gain in acreage from 1889 to 1899, but during the last decade fell back nearly the whole amount of the gain. Hay and forage has increased in acreage somewhat irregularly, gaining rapidly during the first decade, moderately during the second, and again rather rapidly during the last decade, reaching in 1909 an acreage nearly four times as great as that of 1879.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres, 1899 to 1909. ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899			
Corn.....	72.4	69.6	10.2	7.8	39.0	33.9 Bu.	\$15.22
Oats.....	76.0	78.1	15.2	11.9	35.2	31.5 Bu.	11.43
Wheat.....	59.6	81.6	16.7	35.6	-50.1	17.4 Bu.	17.09
Barley.....	54.9	35.0	8.0	4.8	79.3	22.2 Bu.	10.94
Rye.....	12.0	7.5	1.4	0.6	124.3	16.6 Bu.	10.05
Flaxseed.....	14.7	20.5	1.8	3.1	-36.0	9.1 Bu.	13.57
Hay and forage.....	89.0	85.9	20.1	17.1	26.8	1.53 Tons.	6.77
Potatoes.....	84.9	75.4	1.1	0.8	52.5	119.8 Bu.	34.36

¹ A minus sign (-) denotes decrease.

In "per cent of farms reporting" the increases during the last decade are for barley, potatoes, rye, hay and forage, and corn; the decreases are for wheat, flaxseed, and oats. The crops enumerated in the above table cover almost three-fourths of the improved land of the state; in 1899, however, the same crops covered over four-fifths of the improved land. In 1909 a little over one-fifth of the improved land was in hay and forage, about one-sixth was in wheat, a little less than one-sixth was in oats, over one-tenth was in corn, and almost one-twelfth was in barley. The total acreage of cereals decreased during the last decade 1,067,269, or 9.5 per cent.

The increases in acreages are for rye, barley, potatoes, corn, oats, and hay and forage; the decreases are in the acreages of wheat and flaxseed.

The average value per acre of the cereals is \$13.89, wheat and corn being above this average; oats, barley, and rye below it. Hay and forage is valued at less than one-half as much per acre as the cereals; potatoes at about two and a half times as much.

The whole southern and western parts of the state grow wheat extensively. The decrease in acreage, however, during the past 10 years extends to every county of the state, with the exception of 5 counties in the northern and northeastern parts, and these can hardly be called wheat growing counties. The heaviest of the decreases occurs in the southwestern part of the state, reaching 95 per cent and over in several counties in which the acreage had formerly been around 100,000. In the Red River Valley, where the acreage had been high, the decreases with the exception of 1 county ranged between 30 and 50 per cent. In 1899, 30 counties each reported over 100,000 acres of wheat, while in 1909 only 6 counties reached this acreage. Flaxseed, the other crop showing a great decrease in acreage, decreased within the same general sections of the state as did wheat, with, however, a larger number of counties in the northern and central parts showing increases.

The acreage of corn increased in all but 6 counties of the state. Comparatively little corn is grown in the northern half of the state. The acreage of oats, while increasing greatly for the whole state, shows a falling off in a group of 15 counties in the southeastern and in 1 county in the northwestern corner, these decreasing from 3.1 to 30.2 per cent. The increase in the acreage of barley extended over the state with the exception of 9 counties, of which number 5 are along the southern border of the state.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear else-

where), and also with regard to flowers and plants and nursery products:

CROP.	FARMS REPORTING, 1909		ACRES.		VALUE OF PRODUCTS.	
	Number.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	103,490	68.3	46,021	28,361	\$3,359,052	\$1,503,401
Farms reporting a product of \$500 or over.....	594	0.4	5,195	.....	614,895	.....
All other farms.....	102,896	65.9	40,826	.....	2,744,157	.....
Flowers and plants, total.....	136	0.1	163	143	603,935	288,055
Farms reporting a product of \$250 or over.....	87	0.1	.....	.....	595,370	.....
All other farms.....	49	(²)	.....	.....	8,565	.....
Nursery products, total.....	191	0.1	3,854	1,127	863,014	383,105
Farms reporting a product of \$250 or over.....	77	(²)	.....	.....	852,844	.....
All other farms.....	114	0.1	.....	.....	10,170	.....

¹ Does not include 14,235 farms which reported that they had vegetable gardens, but gave no information as to their products.

² Less than one-tenth of 1 per cent

In 1909 the total acreage of potatoes and other vegetables was 269,713 and their value \$11,044,391. Excluding (so far as reported separately¹) potatoes and sweet potatoes and yams, the acreage of vegetables was 46,021 and their value \$3,359,000, both acreage and value being materially greater than in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were in 1909 only 594 farms in the first class, representing a very small proportion of all the farms that reported vegetables but containing about one-ninth of the total acreage of vegetables, and producing nearly one-fifth of the total value, the average acreage of vegetables per farm for these farms being 8.7 and the average value of product per acre \$118.36.

The raising of flowers and plants and of nursery products is also of some importance in Minnesota, 4,017 acres being devoted to them in 1909 and the output being valued at \$1,466,949. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—The next table shows data with regard to small fruits on farms.

Strawberries are by far the most important of the small fruits raised in Minnesota, with raspberries and loganberries ranking next in importance. The total acreage of small fruits in 1909 was 3,738 and in 1899, 3,092, an increase of 20.9 per cent. The production

¹ It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

in 1909 was 4,477,000 quarts, as compared with 4,543,000 quarts in 1899, and the value \$493,000, as compared with \$340,000.

CROP.	Number of farms reporting, 1909	ACRES.		Quantity (quarts), 1909	Value, 1909
		1909	1899		
Small fruits, total		3,738	3,092	4,476,575	\$493,406
Strawberries.....	9,420	1,873	1,302	2,730,099	268,772
Blackberries and dewberries.....	848	145	162	139,741	17,696
Raspberries and loganberries.....	4,890	1,388	1,115	1,340,469	178,689
Currants.....	3,053	200	259	182,825	19,783
Gooseberries.....	1,807	71	112	60,661	6,412
Cranberries.....	264	61	22	22,112	1,981
Other berries.....	6	(¹)	120	668	73

¹ Reported in small fractions.

Orchard fruits, grapes, and nuts: 1909 and 1899.—

The following table presents data with regard to orchard fruits, grapes, and nuts. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

CROP.	TREES OR VINES OF BEARING AGE, 1910		TREES OR VINES NOT OF BEARING AGE, 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. ¹	Value.	Quantity. ¹
Orchard fruits, total		1,644,590		1,787,107	1,066,659	\$801,112	143,655
Apples.....	59,780	1,380,396	55,340	1,571,816	1,044,150	769,114	120,143
Peaches and nectarines.....	101	1,571	185	3,837	599	659	190
Pears.....	204	2,792	440	4,135	400	465	226
Plums and prunes.....	14,914	233,736	13,265	167,923	19,920	27,808	21,820
Cherries.....	4,207	25,139	6,160	38,399	1,526	2,973	960
Apricots.....	22	66	53	175	10	13	2
Quinces.....	18	167	31	681	2	5	(²)
Mulberries.....	6	723	5	138	40	75	(²)
Unclassified.....							³ 314
Grapes	2,138	61,916	1,639	35,950	293,805	11,021	573,272
Nuts, total		48,110		47,047	481,555	41,838	33,700
Black walnuts.....	321	7,036	257	6,307	65,074	1,496	(²)
Unclassified.....							³ 33,700

¹ Expressed in bushels for orchard fruits and pounds for grapes and nuts.

² Included with "unclassified."

³ Consists of products not separately named by the enumerator, but grouped under the designation "all other."

⁴ Includes Persian or English walnuts, almonds, pecans, butternuts, hickory nuts, chestnuts, hazelnuts, and other nuts.

The total quantity of orchard fruits produced in 1909 was 1,067,000 bushels, valued at \$801,000. Apples contributed 97.9 per cent of this quantity, plums and prunes most of the remainder. The production of grapes in 1909 amounted to 293,805 pounds, valued at \$11,021, and that of nuts to 81,555 pounds, valued at \$1,838.

The production of all orchard fruits together in 1909 was about seven and one-half times that of 1899, but the production of grapes declined. The value of orchard fruits increased from \$109,000 in 1899 to \$801,000 in 1909, while that of grapes declined from \$15,593 in 1899 to \$11,021 in 1909. It should be noted in this connection that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING, 1909		QUANTITY PRODUCED.		
	Number.	Percent of all farms.	Unit.	1909	1899
Cider.....	215	0.1	Gals....	9,044	6,111
Vinogar.....	168	0.1	Gals....	5,778	3,339
Wine and grape juice.....	425	0.3	Gals....	4,567	6,197
Dried fruits.....	101	0.1	Lbs....	2,853	500

Sugar crops: 1909 and 1899.—The table below shows data with regard to maple trees and their products, and for sugar beets and sorghum cane. The total value of sugar beets produced in 1909 was \$118,625, as compared with \$59,826 in 1899; the value of sorghum cane products in 1909 was \$83,966, and in 1899, \$59,714. The value of maple sugar and sirup produced in 1909 was \$23,362, as compared with \$3,672 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Number.	Per cent of all farms.		Amount.	Unit.	Value.
Maple sugar and sirup						
Total, 1909.....	698	0.4	167,225			\$23,362
Sugar made.....	65	(²)		11,399	Lbs....	1,742
Sirup made.....	694	0.4		17,808	Gals....	21,620
Total, 1899.....	147	0.1				3,672
Sugar made.....				29,580	Lbs....	2,733
Sirup made.....				1,079	Gals....	939
Sugar beets:						
1909 ⁴	774	0.5	2,238	24,140	Tons...	118,625
1899.....	624	0.4	2,114	15,950	Tons...	59,826
Sorghum cane:						
Total, 1909 ⁴						\$83,966
Cane grown.....	3,677	2.4	1,709	13,253	Tons....	
Sirup made.....	3,661	2.3		145,934	Gals....	80,718
Total, 1899.....						59,714
Cane grown.....	3,887	2.5	2,283	14,369	Tons....	
Cane sold as such.....				1,232	Tons....	2,818
Sirup made.....				187,605	Gals....	56,896

¹ Number of trees.

² Less than one-tenth of 1 per cent.

³ Includes beets used as root forage.

⁴ Includes cane used as coarse forage.

Forest products: 1909 and 1899.—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval

stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 71,215 farms in Minnesota (45.6 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$5,181,508, as compared with \$2,602,335 in 1899, an increase of 99.1 per cent. Of the value in 1909, \$3,023,761 was reported as that of products used or to be used on the farms themselves, \$2,024,725 as that of products sold or for sale, and \$133,022 as the amount received for standing timber. Forest products not produced on farms are not included in this report.

Miscellaneous crops: 1909.—Straw and cornstalks

derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 200 farmers reported the sale of 3,973 tons of flax fiber, valued at \$36,426, and 725 farmers reported the sale of 6,731 tons of flax straw, valued at \$18,783. In addition, 1,026 farmers in Minnesota sold, during 1909, 14,294 tons of straw, for which they received \$34,666, and also 311 farmers sold 2,417 tons of cornstalks and leaves, for which they received \$7,477.

SELECTED FARM EXPENSES AND RECEIPTS.

Farm expenses: 1909 and 1899.—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

EXPENSE.	1909		1899	INCREASE. ¹	
	Farms reporting.			Amount.	Amount.	Per cent.
	Number.	Percent of all farms.	Amount.				Per cent.
Labor.....	94,934	60.8	\$22,330,149	\$16,657,820	\$5,672,329 34.1
Feed.....	58,551	37.5	5,041,925	(*)	.....
Fertilizer.....	1,436	0.9	74,653	251,120	-176,467 -70.3

¹ A minus sign (-) denotes decrease.
² Not reported at the census of 1900.

Slightly more than three-fifths of the farmers hire labor, and the average amount expended by each of the farmers hiring is about \$235. Almost a quarter of the amount reported as expended for labor is in the form of rent and board. During the decade the total expenditures for labor increased 34.1 per cent. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About two farmers out of every five report some expenditure for feed, but only about one out of every one hundred reports expenditure for fertilizer. The total amount paid for fertilizer decreased 70.3 per cent, the average per farm reporting being \$51.99.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as of the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total.....					\$19,741,965
Corn.....	21,571	13.8	6,633,555	Bu.....	3,142,400
Oats.....	32,558	20.9	19,053,252	Bu.....	7,060,947
Barley.....	38,777	24.8	15,567,918	Bu.....	7,959,029
Hay and coarse forage...	16,407	10.5	257,083	Tons...	1,578,989

While the total amount expended by Minnesota farmers for the purchase of feed in 1909 was \$5,042,000, the total receipts from the sale of feed by those reporting sales amounted to \$19,742,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair), also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

Change of boundaries.—In comparing the data secured in 1910 with those for 1900, the following changes in county boundaries should be considered: Clearwater County was organized from a part of Beltrami County in 1903; Koochiching County was organized from a part of Itasca County in 1906; Mahnomen County was organized from a part of Norman County in 1906; and Pennington County was organized from a part of Red Lake County in 1910.

Changes in 1900 figures.—After the volumes of the Twelfth Decennial United States Census (1900) had been printed, a further detailed study and analysis of the data there presented brought to light certain errors in the improved farm acreage of Stevens County. The corrected acreage is 250,151, and not 350,151 as shown in the county tables.

TABLE I.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Aitkin.	Anoka.	Becker. ¹	Beltrami. ^{1,2}	Benton.	Bigstone.
1 Population.....	2,075,708	10,371	12,493	18,840	19,387	11,615	9,367
2 <i>Population in 1900.....</i>	<i>1,761,394</i>	<i>6,745</i>	<i>11,313</i>	<i>14,375</i>	<i>11,080</i>	<i>9,912</i>	<i>8,731</i>
3 Number of all farms.....	156,137	1,348	1,445	2,074	1,577	1,279	901
4 <i>Number of all farms in 1900.....</i>	<i>154,659</i>	<i>798</i>	<i>1,356</i>	<i>1,947</i>	<i>1,343</i>	<i>1,275</i>	<i>1,044</i>
Color and nativity of farmers:							
5 Native white.....	74,710	441	718	713	593	504	459
6 Foreign-born white.....	81,134	906	724	1,300	885	775	502
7 Negro and other nonwhite.....	293	1	3	61	99	.....	.....
Number of farms, classified by size:							
8 Under 3 acres.....	294	.....	1	3	62	.....	1
9 3 to 9 acres.....	2,555	6	21	13	40	11	7
10 10 to 19 acres.....	2,770	3	25	17	13	15	5
11 20 to 49 acres.....	12,028	273	206	170	120	102	11
12 50 to 99 acres.....	26,571	372	436	395	154	325	26
13 100 to 174 acres.....	55,424	500	447	770	1,002	473	232
14 175 to 259 acres.....	27,072	129	184	369	95	202	217
15 260 to 499 acres.....	24,864	54	97	297	87	184	369
16 500 to 999 acres.....	3,359	9	23	31	4	10	83
17 1,000 acres and over.....	300	2	5	3	.....	1	10
LAND AND FARM AREA							
18 Approximate land area..... acres	51,749,120	1,171,200	293,760	863,360	2,446,080	269,200	314,240
19 Land in farms..... acres	27,075,823	175,796	203,097	354,995	223,764	195,187	282,959
20 <i>Land in farms in 1900.....</i> acres	<i>26,243,498</i>	<i>112,718</i>	<i>174,693</i>	<i>304,993</i>	<i>189,716</i>	<i>180,017</i>	<i>270,963</i>
21 Improved land in farms..... acres	19,643,533	34,760	101,575	178,892	33,253	103,847	242,737
22 <i>Improved land in farms in 1900.....</i> acres	<i>18,442,535</i>	<i>30,707</i>	<i>87,072</i>	<i>144,450</i>	<i>23,622</i>	<i>90,695</i>	<i>243,724</i>
23 Woodland in farms..... acres	3,922,391	95,292	63,625	85,905	138,593	51,220	4,094
24 Other unimproved land in farms..... acres	4,109,899	45,764	37,897	82,198	51,918	35,120	36,128
25 Per cent of land area in farms.....	53.5	15.0	69.1	41.1	9.1	75.3	90.0
26 Per cent of farm land improved.....	71.0	19.8	50.0	50.4	14.9	55.8	85.8
27 Average acres per farm.....	177.3	130.4	140.6	171.2	141.9	162.6	204.4
28 Average improved acres per farm.....	125.8	25.8	70.3	86.3	21.1	85.1	252.6
VALUE OF FARM PROPERTY							
29 All farm property..... dollars	1,476,411,787	3,779,647	9,478,621	11,795,410	3,389,856	8,889,346	14,202,257
30 <i>All farm property in 1900.....</i> dollars	<i>788,634,642</i>	<i>1,123,597</i>	<i>4,143,940</i>	<i>5,291,249</i>	<i>1,397,034</i>	<i>3,890,727</i>	<i>6,151,672</i>
31 Per cent increase, 1900-1910.....	87.2	236.6	128.5	124.2	.....	115.6	131.8
32 Land..... dollars	1,010,102,027	2,411,554	6,086,710	7,536,834	2,196,169	5,328,700	10,701,200
33 <i>Land in 1900.....</i> dollars	<i>669,501,900</i>	<i>687,050</i>	<i>2,602,630</i>	<i>3,373,800</i>	<i>345,670</i>	<i>2,659,500</i>	<i>4,489,800</i>
34 Buildings..... dollars	243,339,399	750,362	2,009,127	2,215,648	625,534	1,587,867	1,705,375
35 <i>Buildings in 1900.....</i> dollars	<i>110,220,416</i>	<i>195,000</i>	<i>769,760</i>	<i>813,860</i>	<i>169,340</i>	<i>672,760</i>	<i>769,870</i>
36 Implements and machinery..... dollars	52,329,165	131,429	381,343	555,309	182,723	324,761	474,006
37 <i>Implements, etc., in 1900.....</i> dollars	<i>30,069,230</i>	<i>43,030</i>	<i>152,870</i>	<i>233,230</i>	<i>63,850</i>	<i>180,660</i>	<i>270,810</i>
38 Domestic animals, poultry, and bees..... dollars	* 161,041,146	480,302	1,051,441	1,437,559	405,430	1,143,458	1,351,676
39 <i>Domestic animals, etc., in 1900.....</i> dollars	<i>89,063,097</i>	<i>216,147</i>	<i>587,146</i>	<i>790,309</i>	<i>280,770</i>	<i>501,117</i>	<i>626,702</i>
Per cent of value of all property in—							
40 Land.....	69.0	63.8	63.7	63.9	64.8	63.5	75.0
41 Buildings.....	16.5	19.9	21.2	18.8	18.5	18.9	12.0
42 Implements and machinery.....	3.5	3.5	4.0	4.7	4.3	3.9	3.3
43 Domestic animals, poultry, and bees.....	10.9	12.9	11.1	12.6	12.0	13.7	9.7
Average values:							
44 All property per farm..... dollars	9,456	2,804	6,560	5,887	2,150	6,559	14,841
45 Land and buildings per farm..... dollars	8,085	2,340	5,568	4,702	1,789	5,407	12,910
46 Land per acre..... dollars	36.32	18.72	20.72	21.23	9.81	27.30	37.82
47 <i>Land per acre in 1900.....</i> dollars	<i>21.31</i>	<i>6.92</i>	<i>16.41</i>	<i>11.06</i>	<i>5.06</i>	<i>14.64</i>	<i>16.21</i>
DOMESTIC ANIMALS (farms and ranges)							
48 Farms reporting domestic animals.....	151,531	1,226	1,387	1,979	1,234	1,250	949
49 Value of domestic animals..... dollars	156,771,855	473,484	1,017,421	1,456,969	391,307	1,119,317	1,343,396
Cattle:							
50 Total number.....	2,347,435	10,720	15,608	24,209	7,426	22,092	12,894
51 Dairy cows.....	1,065,388	5,313	8,659	11,015	3,245	10,773	5,107
52 Other cows.....	218,948	946	1,520	2,236	621	1,630	1,525
53 Yearling heifers.....	323,948	1,409	2,306	3,432	969	3,003	1,970
54 Calves.....	373,557	1,723	2,005	4,672	1,190	3,573	2,107
55 Yearling steers and bulls.....	207,569	732	645	1,978	582	1,376	1,292
56 Other steers and bulls.....	133,045	592	380	876	318	1,322	303
57 Value..... dollars	50,306,372	221,516	370,062	467,974	173,748	443,927	267,090
Horses:							
58 Total number.....	753,184	2,072	4,756	7,548	1,721	4,827	7,810
59 Mature horses.....	675,509	1,955	4,451	6,728	1,620	4,264	6,328
60 Yearling colts.....	63,069	102	271	690	83	471	722
61 Spring colts.....	14,606	16	34	130	9	92	200
62 Value..... dollars	89,068,672	227,625	590,277	902,472	193,709	599,752	941,556
Mules:							
63 Total number.....	5,775	25	28	28	25	29	62
64 Mature mules.....	5,213	25	28	26	25	28	58
65 Yearling colts.....	444	.....	.....	2	.....	1	2
66 Spring colts.....	118	.....	.....	.....	.....	.....	.....
67 Value..... dollars	732,723	3,137	4,090	2,597	2,376	4,360	8,610
Asses and burros:							
68 Number.....	219	1	2	1	1	.....	.....
69 Value..... dollars	22,857	25	65	15	25	.....	.....
Swine:							
70 Total number.....	1,520,257	1,568	4,306	5,906	1,430	6,403	9,776
71 Mature hogs.....	833,970	968	2,731	3,210	1,042	3,402	5,313
72 Spring pigs.....	686,287	600	1,665	2,696	388	2,941	3,863
73 Value..... dollars	13,929,127	13,625	46,802	60,942	14,239	58,443	97,998
Sheep:							
74 Total number.....	637,532	2,311	1,318	6,309	1,812	3,897	7,354
75 Rams, ewes, and wethers.....	452,071	1,564	877	4,328	1,239	2,515	5,150
76 Spring lambs.....	185,511	747	441	1,981	573	1,382	2,204
77 Value..... dollars	2,693,424	7,287	6,109	22,841	6,640	12,526	33,637
Goats:							
78 Number.....	4,588	55	4	40	12	76	1
79 Value..... dollars	13,480	219	16	176	71	309	5
POULTRY AND BEES							
80 Number of poultry of all kinds.....	10,697,075	25,679	61,685	73,359	26,191	60,382	60,364
81 Value..... dollars	4,646,960	11,480	33,296	30,122	13,268	26,359	32,030
82 Number of colonies of bees.....	56,677	294	130	89	159	757	123
83 Value..... dollars	221,781	1,333	724	408	856	2,752	750

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² Change of boundary. (See explanation at close of text.)

AGRICULTURE—MINNESOTA.

823

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Blue Earth.	Brown.	Carlton.	Carver.	Cass. ¹	Chippewa.	Chisago.	Clay.	Clearwater. ¹	Cook.	Cottonwood.	Crow Wing.	Dakota.
1	29,337	20,134	17,559	17,455	11,620	13,458	13,537	19,640	6,870	1,336	12,651	16,861	25,171
2	32,263	19,787	10,017	17,644	7,777	12,499	18,248	17,042	(?)	810	12,069	14,280	21,733
3	2,941	1,807	1,195	1,992	948	1,499	2,005	1,738	1,055	146	1,580	1,148	2,163
4	3,186	1,867	605	1,975	668	1,887	1,969	1,994	(?)	36	1,663	1,241	2,162
5	1,938	998	228	1,158	541	654	563	651	373	80	760	561	1,359
6	1,003	809	993	834	407	845	1,441	1,087	699	116	820	586	800
7			4				1		13			1	4
8	4	2	1	1									2
9	85	12	15	67	4	13	42	6	7		24	6	101
10	60	23	9	90	5	18	51	9	2		12	14	73
11	228	35	332	157	113	26	273	56	72		32	161	205
12	604	120	434	689	178	82	603	102	122	13	116	244	418
13	1,038	648	313	738	465	485	757	413	597	115	488	458	673
14	572	582	46	203	97	407	192	329	127	8	404	163	381
15	327	371	36	45	70	419	85	617	112	4	444	88	274
16	23	13	5	2	13	4	2	172	10	2	55	7	29
17		1	4		3	1	1	34			6	6	1
18	487,680	391,680	554,880	240,640	1,346,560	378,240	273,280	667,520	652,160	958,720	409,600	676,480	383,860
19	445,885	365,311	120,505	216,391	147,081	341,736	225,773	531,422	174,616	23,769	371,496	168,771	320,801
20	160,612	372,080	67,002	216,368	104,677	342,801	214,778	546,636	(?)	5,623	370,715	170,509	532,693
21	355,395	307,678	27,518	128,452	40,262	299,287	104,070	435,848	40,545	1,568	338,668	51,989	250,793
22	564,138	315,492	15,554	121,224	20,685	508,700	85,277	452,802	(?)	327	341,627	30,179	272,490
23	35,817	16,911	55,184	53,022	57,718	6,994	90,312	23,626	75,042	21,566	5,495	73,135	37,228
24	51,173	40,722	37,803	34,917	49,101	34,855	30,791	71,948	69,029	635	27,333	43,647	32,780
25	92.0	93.3	21.7	89.9	10.9	90.3	82.6	79.6	26.8	2.5	90.7	24.9	86.0
26	80.0	84.2	22.8	59.4	27.4	87.8	46.4	82.0	23.2	6.0	91.2	30.8	78.8
27	152.6	202.2	100.8	108.6	155.1	228.0	112.6	305.8	165.5	162.8	235.1	147.0	152.5
28	122.0	170.3	23.0	64.5	42.5	200.1	52.2	250.8	38.4	10.7	214.3	45.3	120.1
29	32,619,319	20,999,282	3,759,913	20,370,744	3,045,067	17,378,350	12,289,044	23,924,607	3,150,037	372,166	21,613,731	4,733,472	22,086,004
30	21,982,068	13,520,561	839,664	9,342,243	866,736	9,037,175	6,906,326	11,938,232	(?)	63,055	11,388,657	1,951,192	11,793,346
31	48.4	57.5	300.1	118.0	255.8	92.3	108.1	100.4		481.9	90.8	142.6	94.9
32	22,661,973	14,228,387	2,272,892	13,463,819	2,012,075	12,479,452	6,945,495	17,005,128	2,096,607	228,920	15,959,133	3,127,445	15,619,660
33	16,128,840	9,818,850	542,690	6,248,980	553,690	6,516,760	3,419,310	3,767,950	(?)	32,830	7,601,560	1,126,730	8,342,395
34	5,549,105	3,700,507	891,504	4,240,216	511,892	2,465,140	3,453,002	2,909,658	502,052	105,845	2,083,745	894,010	4,185,230
35	5,053,290	1,740,920	205,970	1,002,840	118,660	1,141,060	1,374,040	1,224,020	(?)	23,620	2,149,710	378,160	1,684,280
36	1,057,103	700,876	159,952	665,282	125,497	621,284	512,130	1,013,339	142,442	11,650	647,394	170,050	783,320
37	671,770	34,720	34,720	365,680	40,800	297,210	674,430	674,430	(?)	1,810	431,930	97,190	450,490
38	3,351,138	2,309,512	435,565	2,001,427	395,603	1,812,474	1,378,417	2,396,482	408,936	25,761	2,363,459	551,967	2,397,794
39	2,124,298	1,536,501	166,344	1,190,843	168,006	994,225	815,167	1,871,332	(?)	6,695	1,145,487	560,112	1,816,181
40	69.5	67.8	60.4	66.1	66.1	71.8	56.5	73.6	66.6	61.5	73.8	66.1	68.0
41	17.0	17.6	23.7	20.8	16.8	14.2	28.1	12.2	15.9	28.4	12.3	18.7	18.2
42	3.2	3.6	4.3	3.3	4.1	3.6	4.2	4.2	4.5	3.1	3.0	3.6	3.4
43	10.3	11.0	11.6	9.8	13.0	10.4	11.2	10.0	13.0	6.9	10.9	11.7	10.4
44	11,091	11,621	3,146	10,226	3,212	11,593	6,129	13,766	2,986	2,549	13,680	4,123	10,627
45	9,592	9,922	2,648	8,888	2,662	9,970	5,186	11,894	2,463	2,293	11,780	3,494	9,156
46	50.49	38.55	18.36	62.22	13.68	36.52	30.76	33.13	12.01	9.63	42.96	18.53	47.36
47	55.79	28.55	8.09	28.79	5.10	19.04	15.02	16.04	(?)	5.04	20.51	6.60	25.11
48	2,894	1,789	1,089	1,959	845	1,485	1,957	1,704	947	84	1,571	1,080	2,129
49	3,227,831	2,232,304	422,503	1,023,813	383,562	1,759,954	1,344,671	2,353,744	401,645	24,738	2,291,707	531,533	2,316,378
50	43,648	32,571	7,932	33,000	8,138	20,219	26,288	24,319	9,216	237	34,433	10,624	26,781
51	20,447	15,791	4,154	19,834	3,872	9,194	14,622	11,146	4,501	123	13,165	5,465	12,696
52	4,519	3,129	372	2,678	540	2,010	1,659	2,322	504	13	3,478	764	3,079
53	6,119	4,137	1,124	4,164	1,300	2,840	3,655	3,314	1,223	37	4,892	1,556	3,564
54	6,484	5,237	1,748	4,181	1,460	3,221	3,927	4,110	1,552	36	5,447	1,621	3,819
55	3,523	2,499	344	1,273	586	1,940	1,456	2,276	666	18	3,997	787	2,168
56	2,556	1,778	192	870	380	1,014	969	1,151	770	5	3,544	441	1,457
57	963,194	656,385	183,985	768,770	157,323	383,284	557,196	621,781	190,428	8,659	723,715	299,554	673,716
58	15,366	11,416	1,737	7,693	1,946	10,189	5,870	13,411	1,633	108	11,189	2,716	10,740
59	13,815	10,235	1,612	7,084	1,789	9,140	5,449	12,143	1,560	101	9,878	2,494	9,020
60	1,272	824	112	567	146	817	408	980	114	7	987	200	963
61	279	864	13	42	20	232	228	288	9		874	22	137
62	1,761,158	1,279,203	219,153	951,175	199,489	1,130,866	710,462	1,728,270	188,384	15,650	1,236,091	284,313	1,414,671
63	86	75	12	15	28	65	17	122	22		74	30	31
64	72	66	12	15	28	58	17	120	22		69	28	29
65	12	6				7		2			3		1
66	2	3									2		1
67	11,495	10,240	1,325	1,855	3,785	7,590	1,880	16,525	2,950		9,095	2,985	3,460
68	1					1		2					2
69	1,000			10		25	50	100				100	
70	42,714	29,539	1,480	26,709	1,651	21,926	5,519	6,149	1,349	24	26,699	2,716	20,455
71	24,454	15,879	708	11,929	1,043	13,317	3,053	4,205	572	22	15,578	1,511	12,644
72	18,200	13,660	772	14,777	608	8,609	2,466	1,944	777	2	11,121	1,205	7,811
73	410,526	267,638	13,091	186,083	13,341	210,625	60,294	71,066	10,995	333	257,127	23,987	165,767
74	11,614	4,457	1,253	4,068	2,356	4,063	2,438	3,677	2,763	23	14,819	3,128	6,087
75	8,630	3,381	819	2,476	1,807	3,118	1,726	3,029	2,110	20	10,943	2,053	5,046
76	2,984	1,070	434	1,522	549	945	712	648	563	3	3,876	1,075	1,941
77	50,388	18,729	4,738	15,872	8,742	21,911	8,665	15,869	8,692	96	65,616	10,108	28,811
78	20	13	60	17	182	11	18	24	44		23	101	8
79	70	59	211	48	882	53	124	133	196		63	536	33
80	262,705	204,295	24,014	184,135	23,875	137,676	81,473	100,595	21,255	1,647	149,210	39,544	144,203
81	116,156	73,721	12,476	72,978	11,201	51,910	31,189	42,274	7,124	973	60,529	17,736	77,662
82	2,084	662	126	1,171	162	265	574	90	41	4	314	569	823
83	7,151	3,037	580	4,631	840	1,210	2,557	464	217	40	1,223	2,648	3,754

¹ Includes deer, valued at \$550.

¹ Includes deer, valued at \$450.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Dodge.	Douglas.	Fairbault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.
1 Population.....	12,094	17,669	19,949	25,680	22,282	31,037	9,114	833,480	14,297
2 <i>Population in 1900.....</i>	<i>18,340</i>	<i>17,964</i>	<i>22,055</i>	<i>28,238</i>	<i>21,838</i>	<i>31,137</i>	<i>8,855</i>	<i>838,340</i>	<i>16,400</i>
3 Number of all farms.....	1,587	2,265	2,139	3,213	2,477	3,040	1,185	3,853	1,912
4 <i>Number of all farms in 1900.....</i>	<i>1,651</i>	<i>2,407</i>	<i>2,232</i>	<i>3,477</i>	<i>2,691</i>	<i>3,210</i>	<i>1,245</i>	<i>3,684</i>	<i>2,150</i>
5 Color and nativity of farmers:									
6 Native white.....	1,086	863	1,406	2,142	1,272	1,634	601	2,338	1,130
7 Foreign-born white.....	501	1,402	733	1,071	1,205	1,401	684	1,510	782
8 Negro and other nonwhite.....						5		5	
9 Number of farms, classified by size:									
10 Under 3 acres.....	1		1	2	6			34	4
11 3 to 9 acres.....	25	26	20	64	34	62	5	298	24
12 10 to 19 acres.....	34	43	16	68	36	95	14	376	23
13 20 to 49 acres.....	93	213	50	248	137	233	24	909	94
14 50 to 99 acres.....	270	479	159	528	402	529	87	1,228	325
15 100 to 174 acres.....	618	781	822	1,152	986	1,162	344	785	727
16 175 to 259 acres.....	332	426	585	708	540	650	272	100	426
17 260 to 499 acres.....	198	271	408	410	310	294	363	60	256
18 500 to 999 acres.....	15	25	18	30	23	14	70	3	29
19 1,000 acres and over.....	1	1		8	3		0		4
LAND AND FARM AREA									
20 Approximate land area..... acres.....	281,600	414,720	460,160	555,520	470,400	490,880	353,020	361,600	364,800
21 Land in farms..... acres.....	261,863	354,379	433,481	518,814	413,711	462,052	296,484	284,378	327,094
22 <i>Land in farms in 1900.....</i>	<i>258,979</i>	<i>348,508</i>	<i>428,048</i>	<i>521,391</i>	<i>436,743</i>	<i>470,082</i>	<i>284,039</i>	<i>287,052</i>	<i>351,985</i>
23 Improved land in farms..... acres.....	226,580	219,729	384,265	391,336	328,677	359,998	257,382	189,721	174,026
24 <i>Improved land in farms in 1900.....</i>	<i>219,608</i>	<i>195,084</i>	<i>394,000</i>	<i>389,888</i>	<i>342,876</i>	<i>374,598</i>	<i>221,610</i>	<i>197,870</i>	<i>169,810</i>
25 Woodland in farms..... acres.....	14,159	71,023	15,264	37,917	21,092	49,355	6,579	50,722	183,396
26 Other unimproved land in farms..... acres.....	21,124	63,627	33,952	89,561	63,942	52,699	32,523	43,935	19,678
27 Per cent of land area in farms.....	93.0	85.4	94.2	93.4	87.9	94.1	83.8	78.6	89.7
28 Per cent of farm land improved.....	86.5	62.0	88.6	75.4	79.4	77.9	86.8	66.7	53.2
29 Average acres per farm.....	165.0	156.5	202.7	161.5	167.0	152.0	250.2	73.8	171.1
30 Average improved acres per farm.....	142.8	97.0	179.6	121.8	132.7	118.4	217.2	49.2	91.0
VALUE OF FARM PROPERTY									
31 All farm property..... dollars.....	17,416,051	16,312,224	32,474,072	36,250,145	27,961,397	32,266,603	13,482,322	34,967,221	16,836,250
32 <i>All farm property in 1900.....</i>	<i>9,649,612</i>	<i>8,873,041</i>	<i>21,740,938</i>	<i>20,355,103</i>	<i>17,412,356</i>	<i>18,044,617</i>	<i>6,090,831</i>	<i>19,909,930</i>	<i>9,444,080</i>
33 Per cent increase, 1900-1910.....	80.5	97.2	49.4	78.1	60.6	78.8	121.4	75.6	69.3
34 Land..... dollars.....	11,724,705	10,694,213	23,408,846	24,236,255	13,634,242	21,041,643	9,793,603	22,908,670	10,708,007
35 <i>Land in 1900.....</i>	<i>6,661,170</i>	<i>6,634,850</i>	<i>16,184,500</i>	<i>14,240,595</i>	<i>11,766,250</i>	<i>12,285,550</i>	<i>4,401,050</i>	<i>15,933,070</i>	<i>6,619,260</i>
36 Buildings..... dollars.....	2,880,403	3,174,776	4,861,830	6,481,481	5,022,782	6,491,836	1,843,237	8,008,133	8,304,145
37 <i>Buildings in 1900.....</i>	<i>1,421,610</i>	<i>1,329,410</i>	<i>2,624,610</i>	<i>2,301,725</i>	<i>2,778,900</i>	<i>3,083,240</i>	<i>780,330</i>	<i>3,742,080</i>	<i>1,575,780</i>
38 Implements and machinery..... dollars.....	582,269	655,199	970,843	1,075,637	895,040	1,120,114	478,615	1,113,601	584,016
39 <i>Implements, etc., in 1900.....</i>	<i>532,610</i>	<i>368,000</i>	<i>866,350</i>	<i>655,280</i>	<i>586,450</i>	<i>631,220</i>	<i>323,330</i>	<i>523,020</i>	<i>560,500</i>
40 Domestic animals, poultry, and bees..... dollars.....	2,228,674	1,788,037	3,232,553	4,456,772	3,409,333	3,613,070	1,366,817	2,936,817	2,240,082
41 <i>Domestic animals, etc., in 1900.....</i>	<i>1,234,222</i>	<i>940,891</i>	<i>1,994,978</i>	<i>2,638,528</i>	<i>2,270,678</i>	<i>2,044,607</i>	<i>687,111</i>	<i>1,701,810</i>	<i>1,388,670</i>
42 Per cent of value of all property in—									
43 Land.....	67.3	65.6	72.1	66.9	66.6	65.2	72.6	65.5	63.6
44 Buildings.....	16.5	19.5	15.0	17.9	18.0	13.7	20.9	22.9	19.6
45 Implements and machinery.....	3.3	4.0	3.0	3.0	3.2	3.5	3.5	3.2	3.5
46 Domestic animals, poultry, and bees.....	12.8	11.0	10.0	12.3	12.2	11.2	10.1	8.4	13.3
47 Average values:									
48 All property per farm..... dollars.....	10,974	7,202	15,182	11,282	11,288	10,614	11,377	9,072	8,806
49 Land and buildings per farm..... dollars.....	9,203	6,123	13,217	9,560	9,551	9,057	9,820	8,024	7,329
50 Land per acre..... dollars.....	44.77	30.18	54.00	46.71	45.04	45.54	33.03	80.56	32.74
51 <i>Land per acre in 1900.....</i>	<i>26.72</i>	<i>16.18</i>	<i>37.29</i>	<i>27.32</i>	<i>26.24</i>	<i>20.14</i>	<i>15.49</i>	<i>46.92</i>	<i>19.94</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	1,570	2,221	2,119	3,161	2,449	3,007	1,154	3,707	1,889
53 Value of domestic animals..... dollars.....	2,163,393	1,738,842	3,117,811	4,327,856	3,270,323	3,507,509	1,330,714	2,809,233	2,178,443
Cattle:									
54 Total number.....	38,987	32,876	42,008	61,713	53,188	52,199	18,879	34,323	37,389
55 Dairy cows.....	16,289	15,025	18,255	21,937	27,890	24,843	7,990	23,471	14,837
56 Other cows.....	3,224	3,161	3,824	6,958	5,369	5,074	1,736	2,131	4,021
57 Yearling heifers.....	5,400	4,660	5,765	9,157	7,622	6,004	2,630	3,607	5,423
58 Calves.....	6,765	5,780	6,496	9,232	9,832	8,599	3,593	3,717	6,118
59 Yearling steers and bulls.....	4,209	2,953	4,307	8,323	4,678	4,305	2,017	777	4,761
60 Other steers and bulls.....	3,100	1,297	3,361	6,106	2,797	2,084	913	620	2,229
61 Value..... dollars.....	858,937	584,476	927,620	1,435,423	1,232,713	1,163,822	336,766	1,079,060	732,661
Horses:									
62 Total number.....	8,804	9,543	14,980	17,001	14,149	16,580	7,712	12,000	8,827
63 Mature horses.....	7,862	8,570	13,402	14,971	12,875	14,910	6,833	11,286	7,709
64 Yearling colts.....	875	812	1,327	1,884	1,131	1,628	643	632	885
65 Spring colts.....	67	161	251	146	143	148	186	82	143
66 Value..... dollars.....	1,036,410	1,041,951	1,707,443	2,143,116	1,607,731	2,064,651	910,208	1,522,840	1,019,662
Mules:									
67 Total number.....	114	34	58	49	109	72	50	68	73
68 Mature mules.....	98	34	51	47	105	64	50	50	72
69 Yearling colts.....	14		5	1	3	7		5	1
70 Spring colts.....	2		2	1	1	1		7	
71 Value..... dollars.....	17,630	3,755	6,110	6,655	15,291	10,025	6,770	7,880	9,007
Asses and burros:									
72 Number.....	2	3	6	17	17	3	5		
73 Value..... dollars.....	100	225	1,960	365	885	535	620		
Swine:									
74 Total number.....	21,326	11,285	44,406	56,381	47,911	23,253	5,795	21,505	43,935
75 Mature hogs.....	12,529	5,201	26,611	32,808	27,326	10,669	3,431	10,921	22,623
76 Spring pigs.....	8,797	5,994	17,795	23,573	20,085	12,584	2,364	10,044	21,412
77 Value..... dollars.....	199,762	87,808	435,309	568,675	390,790	216,252	60,863	178,838	365,909
Sheep:									
78 Total number.....	12,205	5,656	9,123	34,277	7,520	12,657	4,130	4,173	12,781
79 Rams, ewes, and wethers.....	9,086	4,089	6,511	25,024	5,435	9,201	2,355	3,023	8,304
80 Spring lambs.....	3,119	1,567	2,612	9,253	2,094	3,456	1,275	1,150	4,477
81 Value..... dollars.....	50,544	20,550	39,141	173,483	31,771	51,498	15,442	19,900	51,160
Goats:									
82 Number.....	2	18	47	31	40	60	27	117	11
83 Value..... dollars.....	10	77	228	139	142	126	45	709	35
POULTRY AND BEES									
84 Number of poultry of all kinds.....	129,803	128,284	224,383	264,535	247,958	239,328	86,703	197,856	145,052
85 Value..... dollars.....	61,234	47,438	109,959	117,634	125,909	98,195	35,960	118,634	58,238
86 Number of colonies of bees.....	1,054	455	1,331	3,094	1,107	2,119	32	2,042	1,028
87 Value..... dollars.....	4,047	1,757	4,783	11,282	4,101	7,366	143	8,950	3,351

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AGRICULTURE—MINNESOTA.

825

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in Italics.]

	Hubbard. ¹	Isanti.	Itasca. ²	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi-ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.
1	9,881	12,615	17,208	14,491	6,461	18,969	9,669	6,431	15,435	8,011	18,609	9,874	15,722
2	6,878	11,676	4,673	14,793	4,614	18,416	7,839	(?)	14,289	4,654	20,234	8,668	14,591
3	848	2,063	830	1,906	1,017	2,237	1,210	444	1,863	210	2,218	1,304	1,632
4	641	2,044	217	1,949	749	2,265	1,268	(?)	1,651	19	2,472	1,340	1,632
5	508	589	353	838	307	822	200	132	884	25	1,454	466	836
6	334	1,524	473	1,018	710	1,415	1,008	202	979	185	701	838	846
7	1		4				2				3		
8			2										1
9	1	21	11	31	12	23	4		25	1	53	9	7
10	4	17	15	18	6	10	7		16	11	50	2	9
11	94	247	148	49	184	204	27		32	64	226	19	39
12	141	734	136	134	337	220	52		73	39	695	88	123
13	352	740	423	692	297	658	387		541	83	815	454	526
14	117	237	42	425	76	632	197		452	6	282	324	425
15	106	64	49	512	46	507	333		651	3	91	353	475
16	25	3	3	44	7	56	125		71	3	4	50	71
17	3		1	1	2	6	28		2			5	1
18	613,120	282,880	1,747,200	449,280	341,760	512,640	711,040	270,240	505,600	1,343,360	298,240	342,400	453,120
19	161,934	237,642	108,390	411,339	116,370	463,345	372,066	73,245	404,102	22,270	261,945	306,129	401,546
20	99,143	27,611	27,611	404,014	127,475	445,145	339,677	(?)	454,705	2,435	238,609	500,274	398,422
21	55,699	109,642	13,636	354,715	37,370	369,603	287,899	5,529	408,125	2,381	163,117	249,332	344,172
22	29,509	85,747	4,274	354,263	15,833	340,723	206,244	(?)	391,711	243	143,039	237,636	354,263
23	30,003	85,417	76,512	6,532	24,850	22,844	23,380	(?)	9,107	10,234	41,788	2,435	8,256
24	60,222	42,583	18,232	50,042	54,160	70,893	58,297	5,940	51,870	9,614	57,030	54,362	49,118
25	24.8	84.0	6.2	91.6	84.1	90.4	52.3	3.6	91.8	1.7	87.8	89.4	88.6
26	35.6	40.1	12.6	86.2	32.1	79.8	77.2	7.5	86.9	10.7	62.3	81.4	85.7
27	180.3	115.2	130.6	215.8	114.4	207.1	307.5	165.0	249.1	108.1	113.1	234.8	233.7
28	66.1	53.1	16.4	186.1	36.7	165.2	237.5	12.5	218.4	11.3	73.5	191.2	204.6
29	3,175,028	9,123,809	2,201,580	26,357,716	4,098,416	22,711,957	13,730,520	1,028,563	26,217,879	442,694	20,048,441	15,720,215	23,050,304
30	1,017,404	4,331,529	338,147	14,145,664	1,616,717	11,716,089	6,638,478	(?)	12,850,560	80,765	11,126,777	7,677,345	11,769,476
31	212.1	110.6		86.4	209.8	93.9	110.3		104.4	1,338.9	80.2	104.9	95.9
32	2,089,875	5,083,872	1,404,735	19,553,072	2,925,476	15,339,333	9,728,122	734,960	10,205,918	252,635	14,251,215	11,251,430	16,310,636
33	703,780	2,552,340	138,890	10,401,990	1,019,430	3,094,340	4,638,930	(?)	3,399,910	16,300	8,041,680	5,668,450	8,619,090
34	581,785	2,546,210	460,930	3,285,434	1,044,792	3,841,980	1,814,455	177,960	3,542,070	136,230	3,247,980	2,220,457	2,988,625
35	119,180	978,690	77,530	1,616,670	443,810	1,807,980	804,110	(?)	1,499,970	9,200	1,679,270	861,580	1,315,860
36	142,335	426,921	38,537	776,522	166,954	918,917	650,027	27,897	664,945	12,960	590,072	532,137	785,300
37	55,010	218,790	16,060	544,100	47,230	461,220	336,986	(?)	556,550	380	394,660	339,190	438,300
38	361,033	1,066,306	247,378	2,742,638	551,194	2,512,927	1,537,916	87,746	2,504,637	40,939	1,959,174	1,675,191	2,467,743
39	139,524	537,709	65,787	1,581,924	201,747	1,351,416	843,558	(?)	1,374,090	4,885	1,111,167	818,126	1,316,225
40	65.8	55.7	63.8	74.2	62.3	67.5	70.9	71.5	73.3	57.0	71.1	71.5	72.9
41	18.3	27.9	20.9	12.5	22.2	16.9	13.2	17.3	13.5	30.8	16.2	14.1	13.0
42	4.6	4.7	4.0	2.9	3.6	4.0	4.7	2.7	3.7	2.9	2.9	3.7	3.4
43	11.4	11.7	11.2	10.4	11.9	11.5	11.2	8.5	9.6	9.2	9.8	10.6	10.7
44	3,766	4,422	2,652	13,829	4,620	10,153	11,348	2,317	14,073	2,108	9,639	12,062	13,709
45	3,189	3,699	2,248	11,982	3,904	8,574	9,539	2,056	12,210	1,851	7,890	10,331	11,775
46	13.75	21.39	12.96	47.54	25.14	33.11	28.15	10.03	41.38	11.34	64.41	36.75	41.89
47	7.10	11.52	6.83	25.76	3.00	18.27	13.56	(?)	20.67	6.69	27.86	18.54	21.71
48	760	2,003	650	1,887	973	2,220	1,180	306	1,850	157	2,180	1,295	1,653
49	347,979	1,042,109	237,801	2,655,937	545,934	2,544,120	1,519,248	84,191	2,430,037	37,385	1,872,189	1,635,036	2,390,874
50	4,924	18,987	3,390	39,389	10,810	37,613	16,241	1,017	25,870	591	27,359	25,324	29,468
51	2,511	10,440	1,735	16,208	5,454	17,077	6,694	460	10,985	332	13,586	10,623	11,443
52	304	1,614	244	3,819	1,436	3,435	1,422	121	3,004	32	2,924	3,277	3,243
53	713	2,640	496	5,610	1,688	4,851	2,364	722	3,403	88	3,983	3,489	4,237
54	790	2,859	553	6,226	1,920	3,663	2,576	114	4,291	95	3,708	4,504	4,357
55	405	1,035	138	4,508	730	3,469	1,810	74	2,578	28	2,070	2,964	3,809
56	190	403	172	2,958	905	1,868	1,375	126	1,609	17	1,083	1,367	2,574
57	108,885	352,235	93,378	810,311	228,127	730,895	334,378	30,732	489,809	18,966	588,622	515,358	621,845
58	1,833	5,563	1,000	12,704	2,435	12,600	8,335	352	13,998	135	8,932	8,738	12,223
59	1,993	5,277	956	11,202	2,246	11,572	7,652	343	12,569	133	8,137	10,616	10,616
60	1,223	248	39	1,153	176	358	550	9	1,062	2	688	839	1,151
61	18	38	5	344	13	170	133		367		107	253	456
62	207,924	648,148	133,326	1,412,310	285,054	1,559,977	1,094,911	51,009	1,620,388	17,273	1,043,278	953,512	1,426,183
63	23	13	5	103	34	99	197		159	1	47	69	161
64	23	13	5	94	34	94	197		122	1	39	58	134
65				8		4			28		8	11	23
66				1		1			2			4	4
67	2,925	1,500	750	12,150	3,650	12,435	34,470		17,432	150	4,899	7,245	19,816
68			2		1	2			1			4	2
69		100			5	55			8			30	60
70	1,608	3,225	756	36,456	1,524	21,103	3,619	136	29,896	94	27,431	14,016	25,498
71	1,003	1,775	589	20,522	978	11,435	2,319	75	17,964	86	14,688	7,637	14,810
72	545	1,480	187	15,934	548	9,668	1,300	61	11,932	8	12,743	6,379	10,688
73	19,679	33,598	7,892	362,927	15,538	208,252	36,062	1,419	287,840	982	213,188	131,432	261,909
74	2,311	2,360	495	13,320	2,868	7,428	4,684	93	3,581	3	5,760	7,069	12,966
75	1,598	1,637	336	9,351	2,001	5,582	3,761	64	2,984	3	3,984	5,072	9,142
76	713	723	159	3,959	867	1,846	923	29	1,087		1,782	1,997	3,824
77	8,861	6,368	2,179	57,555	10,835	32,398	19,255	406	14,542	9	22,186	27,404	60,394
78	33	96	44	868	24	24	24	5	18	2	8	20	13
79	205	290	176	2,675	108	108	162	25	68	5	16	55	67
80	26,170	73,129	15,461	195,602	27,460	169,825	53,058	5,642	173,502	5,069	165,409	104,885	157,941
81	12,898	22,904	9,577	85,870	12,612	67,575	18,426	3,360	73,960	3,524	83,003	38,725	73,019
82	18	332		305	607	201	37	20	178	5	1,244	299	797
83	186	1,293		1,181	2,648	932	242	195	890	30	3,932	1,430	3,860

¹ Change of boundary. (See explanation at close of text.)

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	McLeod.	Mahno- men. ¹	Marshall.	Martin.	Meeker.	Mille Laes.	Morrison.	Mower.	Murray.
1 Population.....	18,691	3,249	16,338	17,518	17,022	10,705	24,053	22,640	11,755
2 <i>Population in 1900.....</i>	<i>18,695</i>	<i>(²)</i>	<i>16,698</i>	<i>16,696</i>	<i>17,763</i>	<i>8,066</i>	<i>22,891</i>	<i>22,335</i>	<i>11,911</i>
3 Number of all farms.....	2,268	248	2,121	2,181	2,346	1,278	2,622	2,386	1,640
4 <i>Number of all farms in 1900.....</i>	<i>2,356</i>	<i>(²)</i>	<i>2,464</i>	<i>2,188</i>	<i>2,511</i>	<i>1,022</i>	<i>2,400</i>	<i>2,447</i>	<i>1,718</i>
5 Color and nativity of farmers:									
6 Native white.....	1,160	111	420	1,239	1,023	397	999	1,512	761
7 Foreign-born white.....	1,107	82	1,692	942	1,223	881	1,623	874	879
8 Negro and other nonwhite.....	1	55							
9 Number of farms, classified by size:									
10 Under 3 acres.....			1	2		2	1	3	
11 3 to 9 acres.....	48		2	18	38	19	28	58	21
12 10 to 19 acres.....	48		8	23	46	19	25	66	22
13 20 to 49 acres.....	173	11	50	65	236	272	271	95	33
14 50 to 99 acres.....	636	81	118	215	498	549	732	351	104
15 100 to 174 acres.....	878	78	816	914	777	317	944	882	490
16 175 to 259 acres.....	316	40	335	481	426	69	303	507	387
17 260 to 499 acres.....	161	35	613	424	306	27	226	388	507
18 500 to 999 acres.....	8	3	152	38	19	3	31	34	68
19 1,000 acres and over.....			26	1		1	1	2	8
20 LAND AND FARM AREA									
21 Approximate land area..... acres..	317,440	366,080	1,144,320	400,160	397,440	373,120	731,520	455,040	450,560
22 Land in farms..... acres..	298,961	41,995	567,865	427,727	358,423	123,647	374,728	428,428	401,048
23 <i>Land in farms in 1900.....</i>	<i>302,091</i>	<i>(²)</i>	<i>545,190</i>	<i>420,792</i>	<i>345,982</i>	<i>95,660</i>	<i>331,316</i>	<i>432,908</i>	<i>385,091</i>
24 Improved land in farms..... acres..	239,925	24,123	380,677	370,304	270,542	48,438	184,150	391,592	355,043
25 <i>Improved land in farms in 1900.....</i>	<i>223,043</i>	<i>(²)</i>	<i>340,882</i>	<i>355,450</i>	<i>258,314</i>	<i>31,406</i>	<i>148,565</i>	<i>394,801</i>	<i>338,689</i>
26 Woodland in farms..... acres..	19,573	6,923	60,286	9,447	32,700	30,191	105,192	16,117	5,941
27 Other unimproved land in farms..... acres..	39,403	10,949	126,962	41,476	55,121	45,018	85,386	20,719	39,464
28 Per cent of land area in farms.....	94.2	11.5	49.6	93.0	90.2	33.1	51.2	94.1	89.0
29 Per cent of farm land improved.....	80.3	57.4	67.0	88.1	75.5	30.2	49.1	91.4	88.7
30 Average acres per farm.....	131.8	169.3	297.7	196.1	152.3	96.8	142.9	179.6	244.5
31 Average improved acres per farm.....	105.8	97.3	179.5	172.8	115.3	37.9	70.2	164.1	216.0
32 VALUE OF FARM PROPERTY									
33 All farm property..... dollars..	23,120,367	1,234,111	10,952,344	30,512,259	21,595,297	5,599,111	13,696,359	31,200,093	23,455,837
34 <i>All farm property in 1900.....</i>	<i>12,441,951</i>	<i>(²)</i>	<i>8,491,467</i>	<i>16,250,750</i>	<i>11,840,710</i>	<i>2,081,803</i>	<i>6,179,959</i>	<i>20,232,143</i>	<i>12,416,245</i>
35 Per cent increase, 1900-1910.....	85.8		99.6	87.8	82.4	169.0	121.6	54.3	88.9
36 Land..... dollars..	15,699,650	806,296	11,841,098	21,809,252	14,050,549	3,184,171	8,662,337	22,238,100	17,364,164
37 <i>Land in 1900.....</i>	<i>8,740,020</i>	<i>(²)</i>	<i>6,717,310</i>	<i>12,100,790</i>	<i>8,215,850</i>	<i>1,379,540</i>	<i>3,905,240</i>	<i>14,935,680</i>	<i>9,432,690</i>
38 Buildings..... dollars..	4,204,300	183,609	2,239,015	4,388,030	4,055,142	1,383,785	2,672,500	4,695,610	2,877,970
39 <i>Buildings in 1900.....</i>	<i>1,942,190</i>	<i>(²)</i>	<i>944,780</i>	<i>1,865,840</i>	<i>1,788,860</i>	<i>298,550</i>	<i>907,380</i>	<i>2,035,510</i>	<i>1,181,680</i>
40 Implements and machinery..... dollars..	819,395	61,004	825,455	963,760	868,980	236,567	581,760	906,845	700,099
41 <i>Implements, etc., in 1900.....</i>	<i>428,420</i>	<i>(²)</i>	<i>490,150</i>	<i>597,330</i>	<i>468,360</i>	<i>82,550</i>	<i>337,570</i>	<i>615,840</i>	<i>439,320</i>
42 Domestic animals, poultry, and bees..... dollars..	2,396,522	183,202	2,045,576	3,291,217	2,620,626	794,688	1,779,702	3,386,527	2,513,304
43 <i>Domestic animals, etc., in 1900.....</i>	<i>1,331,321</i>	<i>(²)</i>	<i>1,350,277</i>	<i>1,698,799</i>	<i>1,373,140</i>	<i>321,163</i>	<i>909,769</i>	<i>2,095,438</i>	<i>1,309,205</i>
44 Per cent of value of all property in—									
45 Land.....	67.9	65.3	69.9	71.8	65.1	55.9	63.2	71.1	74.0
46 Buildings.....	18.2	14.9	13.2	14.4	18.8	24.7	19.5	15.0	12.3
47 Implements and machinery.....	3.5	4.9	4.9	3.2	4.0	4.2	4.2	3.1	3.0
48 Domestic animals, poultry, and bees.....	10.4	14.8	12.1	10.7	12.1	14.2	13.0	10.8	10.7
49 Average values:									
50 All property per farm..... dollars..	10,194	4,976	7,993	13,990	9,205	4,381	5,224	13,114	14,302
51 Land and buildings per farm..... dollars..	8,776	3,992	6,039	12,053	7,718	3,574	4,323	11,289	12,343
52 Land per acre..... dollars..	52.51	19.20	20.85	51.20	39.20	25.75	23.12	51.91	43.30
53 <i>Land per acre in 1900.....</i>	<i>28.93</i>	<i>(²)</i>	<i>10.53</i>	<i>23.79</i>	<i>23.75</i>	<i>14.42</i>	<i>11.96</i>	<i>34.50</i>	<i>24.51</i>
54 DOMESTIC ANIMALS (farms and ranges)									
55 Farms reporting domestic animals.....	2,245	242	2,075	2,160	2,316	1,242	2,536	2,327	1,600
56 Value of domestic animals..... dollars..	2,301,595	180,012	2,012,692	3,144,244	2,547,820	773,356	1,731,306	3,289,417	2,440,877
57 Cattle:									
58 Total number.....	34,736	2,397	31,812	42,168	37,557	17,016	36,341	49,002	36,040
59 Dairy cows.....	20,375	1,207	13,700	16,906	19,062	8,255	17,476	18,792	12,689
60 Other cows.....	3,180	189	2,589	4,045	3,202	1,288	5,126	5,126	5,112
61 Yearling heifers.....	4,697	311	4,342	5,811	5,170	2,529	5,032	6,897	5,032
62 Calves.....	4,863	463	5,331	5,937	6,164	3,314	6,527	7,643	5,373
63 Yearling steers and bulls.....	911	184	3,140	4,676	2,607	1,502	2,906	6,040	4,405
64 Other steers and bulls.....	710	103	2,516	4,893	1,352	496	1,572	4,501	3,270
65 Value..... dollars..	798,638	51,703	607,320	968,360	816,635	359,793	688,721	1,150,652	705,627
66 Horses:									
67 Total number.....	9,612	1,035	10,853	14,565	11,191	3,485	8,158	14,271	11,560
68 Mature horses.....	8,717	947	9,873	12,997	10,227	3,193	7,183	12,455	10,151
69 Yearling colts.....	746	61	805	1,167	831	268	757	1,510	1,032
70 Spring colts.....	150	27	175	401	133	24	218	306	317
71 Value..... dollars..	1,285,128	120,782	1,253,214	1,641,158	1,500,625	378,745	910,385	1,731,704	1,289,301
72 Mules:									
73 Total number.....	18	7	278	141	49	35	78	46	154
74 Mature mules.....	17	7	266	116	46	34	71	43	126
75 Yearling colts.....			12	18	2	7	7	1	19
76 Spring colts.....			7	7	1	1	2	9	9
77 Value..... dollars..	1,580	1,150	42,198	15,040	6,035	3,505	9,238	5,100	17,250
78 Asses and burros:									
79 Number.....	1	4			2	1	1	12	5
80 Value..... dollars..	4	590			650	10	15	675	2,500
81 Swine:									
82 Total number.....	27,145	646	5,707	46,559	19,421	2,362	12,637	29,689	27,436
83 Mature hogs.....	11,715	392	3,449	29,261	10,170	1,152	6,270	18,193	15,723
84 Spring pigs.....	15,430	254	2,258	17,298	9,245	1,210	6,367	11,491	11,713
85 Value..... dollars..	195,585	5,818	61,412	462,079	192,571	22,737	101,702	327,228	278,363
86 Sheep:									
87 Total number.....	5,266	131	10,577	12,131	7,259	2,168	6,066	12,752	18,078
88 Rams, ewes, and wethers.....	3,660	78	8,236	8,785	5,013	1,473	4,562	8,991	12,851
89 Spring lambs.....	1,606	53	2,341	3,346	2,246	695	2,104	3,761	5,227
90 Value..... dollars..	20,591	564	42,618	56,455	31,280	8,356	20,984	67,893	87,775
91 Goats:									
92 Number.....	6	1	70	19	5	66	65	38	16
93 Value..... dollars..	19	5	340	56	18	210	261	165	61
94 POULTRY AND BEES									
95 Number of poultry of all kinds.....	215,456	7,821	91,901	232,674	170,509	39,513	107,626	188,292	100,332
96 Value..... dollars..	91,022	3,190	32,615	113,338	70,552	17,963	43,257	91,096	70,787
97 Number of colonies of bees.....	1,081	49	853	607	853	787	1,632	1,632	482
98 Value..... dollars..	8,905		269	3,635	2,254	3,260	5,139	6,014	1,940

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AGRICULTURE—MINNESOTA.

827

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Nicollet.	Nobles.	Norman. ²	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake. ²	Redwood.	Renville.
1	14,125	15,210	13,446	22,407	46,036	9,370	15,878	9,553	36,001	12,746	223,675	6,504	18,425	23,123
2	14,774	14,932	15,045	23,119	45,375	(²)	11,648	9,264	35,429	12,677	170,554	12,195	17,261	23,693
3	1,414	1,819	1,653	2,310	5,304	1,244	2,066	1,055	3,525	1,649	1,067	527	2,311	2,871
4	1,464	1,751	1,932	2,539	6,227	(²)	1,410	997	4,340	1,872	923	1,385	2,343	3,013
5	829	1,049	581	1,095	2,320	434	564	576	1,064	716	450	165	1,152	1,331
6	585	770	1,072	615	2,083	809	1,497	479	2,461	933	617	362	1,150	1,540
7					1	1	5						9	
8		1		3	2	2			3	1	58		4	
9	29	37	11	26	19	12	9	16	18	10	181	1	12	31
10	28	15	27	45	44	6	14	11	36	12	172		15	14
11	63	44	71	141	455	32	386	19	186	68	296	11	45	51
12	121	112	137	370	1,104	89	824	41	204	138	185	25	141	219
13	477	646	405	844	2,030	665	630	339	1,191	437	123	252	810	1,113
14	416	362	356	528	1,214	112	180	175	507	400	32	69	594	805
15	266	543	521	326	841	299	53	407	995	462	16	142	594	573
16	14	58	113	25	85	27	14	46	269	60	2	28	84	59
17		1	12	2	10		5	1	20	1	2		3	1
18	233,520	462,080	550,400	426,240	1,304,960	388,480	904,320	800,160	1,266,560	443,520	103,040	276,480	563,840	625,920
19	262,212	413,200	418,534	393,020	996,535	257,485	230,689	267,939	888,852	373,294	60,543	125,402	527,471	589,798
20	272,290	420,213	428,935	405,889	944,732	(²)	148,759	241,623	978,281	60,783	258,307	508,559	584,659	684,659
21	189,677	388,158	314,778	316,184	562,598	136,735	64,763	250,466	643,940	286,395	41,194	77,138	438,745	513,520
22	209,269	298,238	316,597	327,419	505,358	(²)	30,637	308,280	651,755	286,540	33,997	146,374	417,937	500,169
23	22,420	3,699	31,360	45,804	249,022	30,719	83,956	2,005	95,890	15,273	10,367	17,374	11,175	19,150
24	50,115	26,345	72,396	31,632	154,915	90,931	76,965	15,513	149,016	71,626	8,982	30,890	77,551	57,128
25	92.5	90.5	76.0	92.3	76.4	66.3	25.5	89.3	70.2	84.2	58.8	45.4	93.5	94.2
26	72.3	92.8	75.2	80.3	59.5	53.1	28.1	93.5	72.4	76.7	68.0	61.5	88.2	87.1
27	185.4	229.9	263.2	170.4	171.7	207.0	111.7	254.0	252.2	226.4	56.7	238.0	225.2	205.4
28	134.1	213.4	190.4	136.9	102.1	109.9	31.3	237.4	182.7	173.7	38.6	146.4	180.8	178.9
29	15,863,289	30,066,799	16,371,171	27,137,633	37,953,319	6,326,149	7,453,287	17,022,735	34,946,027	15,479,163	9,726,904	3,711,300	30,231,200	33,685,584
30	10,155,592	14,591,623	9,615,630	18,837,939	18,895,532	(²)	2,273,424	7,250,613	19,681,141	7,625,532	6,621,973	3,407,214	16,494,789	18,639,120
31	56.2	106.1		44.1			227.8	133.8	78.5	103.0	74.3		83.3	81.7
32	10,416,423	22,956,875	11,549,040	13,427,916	24,352,347	4,223,303	4,543,723	12,657,385	24,966,183	10,321,250	6,743,444	2,467,251	22,333,090	23,793,173
33	7,006,810	11,228,320	6,832,260	13,592,310	12,473,640	(²)	1,440,070	5,611,260	15,302,300	5,082,360	3,989,910	2,119,770	12,467,420	13,663,070
34	2,971,489	3,233,840	2,447,945	4,613,285	7,030,959	905,425	1,691,143	1,934,350	4,771,899	2,710,885	2,002,721	539,400	3,926,890	5,055,270
35	1,623,560	1,563,730	1,120,760	2,684,110	3,042,060	(²)	387,250	672,430	2,352,100	1,180,240	1,056,280	435,060	1,702,350	2,353,550
36	633,812	782,192	620,642	850,600	1,044,956	292,899	285,325	480,564	1,419,753	671,924	230,635	163,020	971,575	1,271,143
37	833,040	490,280	450,750	556,160	957,600	(²)	92,620	80,530	1,044,520	352,310	145,900	214,820	698,600	709,400
38	1,842,065	3,073,892	1,753,544	3,245,832	4,425,057	904,522	932,650	1,600,136	3,788,187	1,775,098	745,104	541,629	2,999,711	3,590,998
39	1,153,152	1,439,293	1,155,870	2,009,269	2,416,532	(²)	353,434	749,663	2,481,721	1,010,422	429,333	637,564	1,725,379	1,903,030
40	65.7	76.4	70.5	67.9	65.5	66.8	61.0	76.1	71.4	66.7	69.4	66.5	73.9	76.0
41	18.7	10.9	15.0	17.0	18.5	14.3	22.7	11.7	13.7	17.5	20.6	14.5	13.0	15.0
42	4.0	2.5	3.8	3.1	4.3	4.6	3.8	2.3	4.1	4.3	2.4	4.4	3.2	3.8
43	11.6	10.2	10.7	12.0	11.7	14.8	12.5	9.4	10.8	11.5	7.7	14.6	9.9	10.6
44	11,219	16,529	9,904	11,748	6,539	5,085	3,608	16,135	9,914	9,337	9,110	7,042	13,081	11,733
45	9,468	14,420	8,463	9,975	5,493	4,123	3,018	14,163	8,436	7,903	8,202	5,705	11,303	10,050
46	39.73	54.89	27.69	46.82	24.94	16.40	19.70	45.35	28.09	27.65	111.47	19.67	42.34	40.35
47	26.73	26.39	16.04	33.49	15.21	(²)	9.70	23.22	14.18	15.42	65.64	18.20	24.61	23.20
48	1,400	1,789	1,606	2,288	5,627	1,154	1,971	1,036	3,469	1,621	1,008	522	2,207	2,842
49	1,777,206	2,984,123	1,715,141	3,141,877	4,314,146	887,395	904,663	1,553,436	3,704,380	1,730,764	711,008	530,180	2,890,745	3,430,289
50	23,617	41,008	20,217	48,176	74,660	19,417	19,359	22,980	53,491	28,001	7,790	10,285	38,437	40,832
51	11,441	14,093	11,394	17,940	34,529	8,600	10,379	7,813	24,650	11,455	6,029	4,502	16,170	19,065
52	2,430	5,346	1,971	5,387	7,695	1,025	1,869	3,405	5,214	2,423	250	833	3,339	3,529
53	2,788	6,420	3,630	6,765	10,365	2,506	2,823	3,323	7,309	4,109	617	1,645	5,488	5,079
54	3,776	4,944	5,104	7,330	12,940	3,333	3,142	3,286	9,537	5,460	533	1,865	5,789	6,946
55	1,612	4,242	2,414	5,731	6,144	1,610	1,017	2,292	4,309	3,214	100	825	4,221	3,287
56	1,670	4,242	1,204	5,023	2,937	1,021	624	2,158	2,472	1,350	140	655	2,924	2,026
57	538,897	894,436	492,442	1,083,469	1,419,062	333,689	400,272	493,503	1,074,005	507,097	303,707	190,820	819,443	815,634
58	8,575	13,821	9,974	13,262	23,164	4,016	4,351	7,341	18,947	9,299	3,000	2,500	14,876	13,256
59	7,634	12,037	8,930	11,935	20,566	3,718	3,978	6,442	17,036	8,321	2,887	2,236	12,282	16,026
60	704	1,330	769	1,224	2,107	259	325	632	1,432	793	83	234	1,163	1,502
61	237	454	275	403	491	39	28	267	369	185	20	30	441	638
62	1,007,261	1,591,392	1,141,029	1,543,760	2,557,404	457,934	448,997	771,924	2,409,932	1,111,763	352,323	299,077	1,720,656	2,199,324
63	61	70	65	88	167	77	43	79	310	22	8	75	112	106
64	61	71	60	71	165	61	43	108	274	7	7	105	91	91
65		6	5	14		14		27	26		1	25	7	12
66		2		3		1		4	8			2	1	3
67	8,990	8,760	7,750	10,255	19,610	10,025	4,950	11,970	47,173	3,175	725	7,915	12,610	12,165
68	2	3	2	3	19	7		13			2	4	3	
69	50	220	305	235	2,790	780		1,045	1,045		50	860	85	115
70	20,770	41,003	5,527	39,192	27,462	1,981	4,300	20,609	11,795	9,074	4,574	2,318	32,965	42,677
71	10,807	24,906	2,809	22,032	15,070	1,085	2,016	11,206	7,008	5,211	3,077	1,305	18,416	23,199
72	9,963	16,097	2,718	17,160	12,392	896	2,284	9,403	4,697	3,863	1,497	1,013</		

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Rice.	Rock.	Roseau.	St. Louis. ¹	Scott.	Sherburne.	Sibley.	Stearns.	Steele.
1 Population	25,911	10,222	11,338	163,274	14,888	8,136	15,540	47,733	16,146
2 <i>Population in 1900</i>	<i>26,080</i>	<i>9,668</i>	<i>6,994</i>	<i>82,952</i>	<i>16,147</i>	<i>7,281</i>	<i>16,862</i>	<i>44,464</i>	<i>16,624</i>
3 Number of all farms	2,380	1,205	1,002	2,465	1,520	1,190	2,055	4,255	1,824
4 <i>Number of all farms in 1900</i>	<i>2,672</i>	<i>1,169</i>	<i>1,444</i>	<i>696</i>	<i>1,649</i>	<i>1,064</i>	<i>2,177</i>	<i>4,449</i>	<i>1,801</i>
5 Color and nativity of farmers:									
6 Native white.....	1,377	621	389	400	1,003	596	1,139	2,225	914
7 Foreign-born white.....	1,001	584	1,211	2,064	517	593	916	2,030	910
8 Negro and other nonwhite.....	2		2	1		1			
9 Number of farms, classified by size:									
10 Under 3 acres.....	2	1		28	1	1	3	10	1
11 3 to 9 acres.....	59	13	1	64	43	6	32	35	45
12 10 to 19 acres.....	92	4	3	64	11	11	21	57	79
13 20 to 49 acres.....	207	27	29	597	104	115	73	267	129
14 50 to 99 acres.....	663	63	85	473	408	235	263	618	341
15 100 to 174 acres.....	906	440	1,027	1,135	607	406	862	1,498	727
16 175 to 259 acres.....	310	193	153	52	240	229	506	1,034	351
17 260 to 499 acres.....	183	433	279	40	96	155	282	667	140
18 500 to 999 acres.....	8	30	23	9	28	28	13	62	9
19 1,000 acres and over.....		1	2	3	1	4		7	2
LAND AND FARM AREA									
20 Approximate land area.....acres..	316,800	314,880	1,068,800	4,161,920	234,240	286,720	374,400	871,680	275,840
21 Land in farms.....acres..	297,944	288,361	315,106	272,995	207,884	204,537	367,265	761,242	262,555
22 <i>Land in farms in 1900</i>.....acres..	<i>306,513</i>	<i>288,397</i>	<i>286,681</i>	<i>59,950</i>	<i>214,254</i>	<i>179,105</i>	<i>567,816</i>	<i>731,323</i>	<i>263,371</i>
23 Improved land in farms.....acres..	223,381	270,719	167,332	41,111	133,661	110,927	283,904	452,316	225,399
24 <i>Improved land in farms in 1900</i>.....acres..	<i>227,779</i>	<i>297,427</i>	<i>74,336</i>	<i>11,406</i>	<i>123,380</i>	<i>98,539</i>	<i>277,643</i>	<i>420,428</i>	<i>226,873</i>
25 Woodland in farms.....acres..	25,299	3,411	49,232	188,750	38,044	66,091	24,034	158,665	11,472
26 Other unimproved land in farms.....acres..	43,204	14,221	108,542	43,134	30,179	27,519	40,327	150,261	25,684
27 Per cent of land area in farms.....	94.0	91.6	29.5	6.6	88.7	71.3	95.4	87.3	95.2
28 Per cent of farm land improved.....	77.0	93.9	49.9	15.1	64.3	54.2	79.5	59.4	85.8
29 Average acres per farm.....	125.2	239.3	196.7	110.7	136.8	171.9	173.9	178.9	143.9
30 Average improved acres per farm.....	96.4	224.7	98.2	16.7	87.9	93.2	138.2	106.3	123.6
VALUE OF FARM PROPERTY									
31 All farm property.....dollars..	22,753,492	25,297,625	6,135,882	6,798,209	14,610,955	7,432,444	22,006,868	34,548,484	19,032,988
32 <i>All farm property in 1900</i>.....dollars..	<i>14,202,328</i>	<i>10,706,914</i>	<i>2,280,545</i>	<i>1,162,486</i>	<i>8,738,780</i>	<i>3,420,146</i>	<i>15,143,598</i>	<i>18,683,814</i>	<i>12,966,658</i>
33 Per cent increase, 1900-1910.....	60.2	136.3	176.3	489.9	67.2	117.3	67.4	85.4	46.8
34 Land.....dollars..	15,200,189	19,493,160	3,875,880	4,093,676	10,034,955	4,678,208	15,240,968	24,361,627	12,143,090
35 <i>Land in 1900</i>.....dollars..	<i>9,976,390</i>	<i>8,163,410</i>	<i>1,422,180</i>	<i>666,560</i>	<i>5,393,540</i>	<i>2,063,230</i>	<i>9,522,280</i>	<i>13,022,280</i>	<i>9,507,160</i>
36 Buildings.....dollars..	4,304,725	2,759,525	943,988	1,674,623	2,522,625	1,488,205	3,078,471	4,745,474	3,868,665
37 <i>Buildings in 1900</i>.....dollars..	<i>2,307,820</i>	<i>978,990</i>	<i>281,890</i>	<i>289,780</i>	<i>1,456,120</i>	<i>572,070</i>	<i>2,080,300</i>	<i>3,610,080</i>	<i>1,717,090</i>
38 Implements and machinery.....dollars..	727,941	589,025	344,732	278,049	504,736	338,151	795,439	1,374,117	727,994
39 <i>Implements, etc., in 1900</i>.....dollars..	<i>476,050</i>	<i>360,870</i>	<i>108,550</i>	<i>45,710</i>	<i>275,420</i>	<i>147,780</i>	<i>453,590</i>	<i>744,390</i>	<i>368,520</i>
40 Domestic animals, poultry, and bees.....dollars..	2,520,637	2,455,915	971,282	751,861	1,548,639	927,866	2,291,990	4,067,266	2,293,239
41 <i>Domestic animals, etc., in 1900</i>.....dollars..	<i>1,443,068</i>	<i>1,203,644</i>	<i>418,078</i>	<i>190,436</i>	<i>1,014,640</i>	<i>637,126</i>	<i>1,312,198</i>	<i>2,248,124</i>	<i>1,373,798</i>
42 Per cent of value of all property in—									
43 Land.....	66.8	77.1	63.2	60.2	68.7	62.9	69.3	70.5	63.8
44 Buildings.....	18.9	10.9	15.4	24.6	17.3	20.0	18.7	13.7	20.3
45 Implements and machinery.....	3.2	2.3	5.6	4.1	3.5	4.5	3.6	4.0	3.8
46 Domestic animals, poultry, and bees.....	11.1	9.7	15.8	11.1	10.6	12.5	10.4	11.8	12.0
47 Average values:									
48 All property per farm.....dollars..	9,560	20,994	3,830	2,758	9,612	6,240	10,709	8,120	10,435
49 Land and buildings per farm.....dollars..	3,195	18,467	3,009	2,340	8,262	5,182	9,207	6,841	8,778
50 Land per acre.....dollars..	51.02	47.60	12.30	15.00	48.27	22.87	42.66	32.00	46.25
51 <i>Land per acre in 1900</i>.....dollars..	<i>32.65</i>	<i>28.51</i>	<i>6.01</i>	<i>10.05</i>	<i>27.97</i>	<i>11.52</i>	<i>26.16</i>	<i>17.81</i>	<i>26.10</i>
DOMESTIC ANIMALS (farms and ranges)									
52 Farms reporting domestic animals.....	2,355	1,187	1,530	2,100	1,508	1,132	2,033	4,184	1,810
53 Value of domestic animals.....dollars..	2,435,138	2,401,313	954,641	726,394	1,490,852	898,958	2,201,733	3,959,713	2,211,557
54 Cattle:									
55 Total number.....	39,544	29,099	19,715	11,697	23,933	14,546	33,209	68,428	36,835
56 Dairy cows.....	21,273	9,627	8,414	6,655	12,879	7,268	17,908	36,272	20,332
57 Other cows.....	4,356	3,980	1,007	953	2,464	1,415	3,273	5,399	2,057
58 Yearling heifers.....	5,310	4,238	2,522	1,506	2,766	1,821	4,395	8,870	5,424
59 Calves.....	5,000	3,941	3,659	1,940	3,299	2,222	4,949	10,722	5,795
60 Yearling steers and bulls.....	2,499	3,991	1,899	393	1,377	1,019	2,010	4,475	1,988
61 Other steers and bulls.....	1,508	3,322	2,214	244	1,148	811	1,274	2,690	1,289
62 Value.....dollars..	960,354	674,977	423,664	341,422	518,078	326,375	685,728	1,358,725	873,519
63 Horses:									
64 Total number.....	10,514	9,927	4,002	2,750	6,573	4,381	10,725	19,678	9,120
65 Mature horses.....	9,577	8,632	3,635	2,024	5,860	4,022	9,468	17,311	8,394
66 Yearling colts.....	849	965	296	107	664	309	955	1,935	600
67 Spring colts.....	88	330	71	19	49	50	302	432	76
68 Value.....dollars..	1,222,499	1,232,066	477,608	365,519	797,803	490,283	1,273,108	2,235,932	1,091,764
69 Mules:									
70 Total number.....	28	115	50	17	37	32	38	124	64
71 Mature mules.....	26	110	47	17	34	25	38	119	60
72 Yearling colts.....	2	3	2		3	5		4	4
73 Spring colts.....		2	1			2		1	
74 Value.....dollars..	2,915	15,935	6,235	1,865	4,070	3,185	4,870	13,620	8,895
75 Asses and burros:									
76 Number.....	15	1	1		1				6
77 Value.....dollars..	250	1,400	300		300				295
78 Swine:									
79 Total number.....	25,549	40,310	2,424	1,659	18,395	6,851	28,535	40,476	29,017
80 Mature hogs.....	14,282	20,464	1,351	1,164	9,495	3,684	13,186	19,902	12,302
81 Spring pigs.....	11,267	19,846	1,073	495	8,900	3,167	15,349	20,514	17,315
82 Value.....dollars..	224,869	385,269	24,035	14,574	143,649	68,787	214,803	306,068	227,413
83 Sheep:									
84 Total number.....	5,796	16,954	7,059	838	5,417	2,322	6,431	13,060	2,428
85 Rams, ewes, and wethers.....	4,148	12,680	5,209	501	3,782	1,609	4,439	8,596	1,762
86 Spring lambs.....	1,648	4,274	1,850	337	1,635	713	1,992	4,464	666
87 Value.....dollars..	24,201	91,651	22,586	2,868	21,865	9,749	23,194	43,323	9,662
88 Goats:									
89 Number.....	12	4	55	30	13	132	17	401	4
90 Value.....dollars..	50	15	223	146	87	579	30	1,990	9
POULTRY AND BEES									
91 Number of poultry of all kinds.....	175,978	123,124	42,492	45,768	129,859	65,208	224,797	287,632	172,394
92 Value.....dollars..	81,614	52,972	16,641	25,177	54,839	28,313	86,605	102,431	78,385
93 Number of colonies of bees.....	1,040	357		41	950	150	1,105	1,338	892
94 Value.....dollars..	3,885	1,630		290	2,948	609	3,652	5,072	3,297

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

AGRICULTURE—MINNESOTA.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washington.	Watonwan.	Wilkin.	Winona.	Wright.	Yellow Medicine.	Indian res- ervations.
1	8,293	12,949	23,407	8,049	18,554	8,652	13,466	26,013	11,322	9,033	33,398	28,082	15,406	
2	8,721	13,603	23,214	7,673	18,284	7,921	14,760	27,808	11,496	8,080	35,636	29,157	14,603	5,486
3	1,015	1,537	2,994	942	1,787	1,004	1,567	1,943	1,269	986	2,141	3,314	1,838	
4	1,160	1,795	3,034	1,086	1,917	990	1,672	1,843	1,891	1,117	2,559	3,992	1,872	348
5	477	709	1,412	465	1,137	442	985	1,015	562	498	1,381	1,985	843	
6	538	828	1,582	477	649	562	582	923	706	487	760	1,829	995	
7					1			5	1	1				
8			2		2		1	3	2		9	4		
9	2	9	25		37	3	18	73	20	1	59	119	6	
10	4	2	36	3	63	7	10	78	10	2	58	120	4	
11	7	22	274	7	113	122	66	314	37	10	127	460	24	
12	35	72	806	9	215	214	263	544	114	21	302	1,376	77	
13	216	387	1,133	178	614	352	695	600	488	177	731	1,295	553	
14	226	386	444	149	422	174	347	205	319	175	472	328	538	
15	413	556	248	482	291	114	157	110	256	450	342	109	562	
16	110	102	26	104	26	18	10	14	23	139	38	3	74	
17	2	1		10	4			2		11	3		2	
18	360,960	474,240	612,480	363,520	346,240	344,320	275,840	254,080	277,760	476,800	407,680	442,240	479,360	
19	304,926	408,661	424,221	317,557	320,894	158,666	256,347	226,312	251,664	335,986	374,234	399,922	451,719	
20	312,081	414,960	366,988	321,708	324,531	141,375	262,467	214,868	265,816	318,993	371,669	383,966	423,714	87,402
21	264,618	362,277	201,083	304,208	229,613	69,703	206,512	182,745	225,847	318,237	237,674	237,762	379,136	
22	350,151	343,863	151,008	266,663	227,689	61,284	225,134	145,861	219,668	287,764	230,698	215,360	353,005	24,908
23	4,237	6,029	142,989	3,844	62,530	44,094	12,510	48,113	5,719	3,393	104,178	90,687	9,231	
24	36,171	39,765	80,149	9,605	28,751	44,809	37,325	25,464	20,098	14,351	32,382	70,849	63,353	
25	84.5	86.2	69.3	87.4	92.7	46.1	92.9	89.1	90.6	70.5	91.8	90.3	94.2	
26	86.7	88.6	47.4	95.8	71.6	43.9	80.6	67.5	89.7	94.7	63.5	59.5	83.9	
27	300.4	265.9	141.7	337.1	179.6	158.0	163.6	116.5	198.3	340.8	174.8	104.7	245.8	
28	260.6	235.7	67.2	322.9	128.5	69.4	131.8	78.6	178.0	322.8	111.0	62.3	206.3	
29	13,774,191	18,206,728	15,854,493	16,296,339	19,702,340	4,697,499	17,289,607	16,334,530	16,300,220	15,832,394	22,718,894	27,022,225	24,607,037	
30	6,653,261	9,461,738	8,425,069	7,024,249	12,080,170	2,034,921	12,602,254	9,002,160	9,566,662	7,252,265	14,108,229	18,066,525	1,022,466	
31	107.0	92.4	88.2	132.0	63.1	130.8	38.3	80.2	70.4	118.3	68.1	103.9		
32	10,295,020	13,193,263	10,389,685	12,346,742	13,530,700	3,060,769	11,821,583	10,200,287	11,606,795	11,994,407	14,711,291	17,027,308	17,892,176	
33	4,734,980	6,864,510	6,027,330	6,514,080	8,600,910	1,314,530	6,164,340	6,130,030	7,006,900	6,480,700	10,132,780	9,495,540	9,030,800	818,050
34	1,678,670	2,409,185	2,911,180	1,919,090	3,270,015	788,070	3,108,342	3,819,045	2,434,365	1,920,658	4,431,600	5,730,905	3,392,948	
35	839,780	1,166,730	1,093,040	792,540	1,707,860	234,990	1,787,340	1,689,530	1,225,400	745,930	2,312,390	2,114,470	1,336,700	114,370
36	450,700	674,777	601,620	556,708	663,545	203,489	506,076	587,150	505,927	565,683	865,502	994,202	836,964	
37	329,930	401,830	366,020	222,000	398,360	118,760	369,360	310,910	302,890	323,400	461,120	553,970	456,240	55,530
38	1,349,901	1,929,513	1,052,008	1,473,799	2,238,080	645,131	1,839,606	1,728,087	1,753,133	1,351,746	2,710,311	3,269,750	2,484,949	
39	761,661	1,048,686	948,679	636,229	1,228,940	322,641	1,241,184	981,680	1,051,232	722,236	1,416,619	1,846,309	1,245,616	94,716
40	74.7	72.5	65.5	75.8	68.7	65.2	68.4	62.4	71.2	75.8	64.8	64.2	72.7	
41	12.2	13.2	18.4	11.8	16.6	16.8	18.0	23.4	14.9	12.1	19.5	20.5	13.8	
42	3.3	3.7	3.8	3.4	3.4	4.3	3.0	3.6	3.1	3.6	3.8	3.6	3.4	
43	9.8	10.6	12.3	9.0	11.4	13.7	10.6	10.6	10.8	8.5	11.9	11.7	10.1	
44	13,571	11,846	5,295	17,300	11,025	4,679	11,034	8,407	12,845	16,057	10,611	7,321	13,388	
45	11,797	10,151	4,442	15,144	9,402	3,833	9,628	7,215	11,065	14,113	8,941	6,203	11,581	
46	33.76	32.28	24.49	38.88	42.17	19.29	46.12	45.07	46.12	35.70	39.31	44.89	39.51	
47	16.17	16.52	16.47	16.52	20.60	0.30	34.92	28.53	27.39	17.12	27.40	24.72	21.31	9.35
48	998	1,509	2,942	936	1,732	969	1,554	1,879	1,266	974	2,095	3,748	1,803	
49	1,315,506	1,878,466	1,890,903	1,442,052	2,170,305	625,840	1,770,781	1,069,805	1,700,184	1,320,214	2,638,487	3,145,098	2,404,291	
50	15,982	23,612	39,243	12,837	28,882	13,358	27,297	21,297	27,331	12,604	39,931	49,876	29,020	
51	6,764	9,856	20,129	5,402	11,755	6,730	13,834	11,161	11,633	5,418	17,017	12,662	12,662	
52	1,621	2,334	2,988	1,388	3,007	917	1,794	1,762	3,099	1,322	4,089	3,208	2,687	
53	2,346	3,267	5,796	1,938	4,218	1,759	3,796	2,895	3,808	1,829	5,606	6,639	3,963	
54	2,751	4,089	6,584	1,929	4,498	2,645	4,244	2,811	4,354	2,122	6,423	7,391	4,680	
55	1,572	2,388	2,739	1,346	3,633	880	2,534	1,398	2,928	1,316	3,960	2,304	3,096	
56	928	1,678	1,007	894	1,771	427	1,095	1,270	1,609	597	2,836	2,033	1,932	
57	320,131	448,374	776,584	260,691	604,738	272,336	537,967	549,207	580,043	249,614	916,487	1,153,173	575,398	
58	7,122	10,671	9,285	8,283	9,861	2,850	8,877	7,376	7,916	8,129	11,074	13,886	13,315	
59	6,277	9,532	8,142	7,256	8,795	2,568	8,079	6,801	7,023	7,292	9,965	12,197	11,869	
60	642	842	978	676	937	237	725	509	694	594	947	1,077	1,099	
61	203	297	165	251	129	45	73	66	199	243	162	112	347	
62	863,381	1,260,297	971,277	1,066,313	1,269,560	303,342	986,067	985,386	868,607	984,779	1,364,361	1,642,272	1,510,541	
63	67	25	55	125	27	21	56	17	93	118	36	43	146	
64	66	25	54	99	23	21	42	15	84	118	28	39	123	
65	1		1	16	3		12	2	7		7	3	16	
66				10	1		2		2		1	1	7	
67	8,910	3,245	5,330	18,032	3,000	2,690	6,535	2,470	10,633	16,455	4,035	4,215	17,815	
68			2	2	1		1	4	7		2	1	7	
69			45	650	40		25	220	126		100	26	29	
70	7,987	14,194	13,022	8,283	22,410	3,138	21,951	12,309	20,537	5,333	34,586	40,109	29,108	
71	4,407	8,827	6,299	5,493	11,190	1,734	11,113	6,005	12,533	3,184	19,111	19,060	15,859	
72	3,580	5,367	6,723	2,790	11,220	1,404	10,838	6,304	8,004	2,149	15,475	21,949	13,249	
73	78,614	153,111	110,135	90,527	197,259	30,613	191,775	118,247	214,415	53,216	288,273	320,646	277,443	
74	10,483	3,413	7,639	3,402	24,146	4,012	6,679	3,009	6,000	3,423	16,309	4,909	5,643	
75	7,677	2,412	5,276</											

AGRICULTURE—MINNESOTA.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Aitkin.	Anoka.	Becker. ¹	Beltrami. ^{1,2}	Benton.	Bigstone.	
FARMS OPERATED BY OWNERS								
1	Number of farms.....	122,104	1,254	1,247	1,797	1,492	1,143	631
2	Number of farms in 1900.....	<i>126,809</i>	<i>738</i>	<i>1,119</i>	<i>1,797</i>	<i>1,228</i>	<i>1,174</i>	<i>851</i>
3	Per cent of all farms.....	78.2	93.0	86.3	86.6	94.6	89.4	65.7
4	Per cent of all farms in 1900.....	<i>82.0</i>	<i>98.1</i>	<i>82.5</i>	<i>92.3</i>	<i>98.8</i>	<i>92.1</i>	<i>79.6</i>
5	Land in farms.....acres.....	20,068,885	151,994	156,515	298,237	218,263	168,215	187,787
6	Improved land in farms.....acres.....	14,153,505	28,052	79,663	146,068	31,770	92,400	162,672
7	Value of land and buildings.....dollars.....	920,359,347	2,825,386	6,065,042	8,124,467	2,685,963	5,947,942	8,288,360
8	Degree of ownership:							
9	Farms consisting of owned land only.....	99,493	1,199	1,055	1,477	1,437	1,000	438
10	Farms consisting of owned and hired land.....	22,611	55	192	320	55	143	193
11	Color and nativity of owners:							
12	Native whites.....	52,427	390	600	544	567	405	242
13	Foreign-born whites.....	60,483	863	646	1,201	878	738	389
14	Negro and other nonwhite.....	194	1	1	52	47		
FARMS OPERATED BY TENANTS								
15	Number of farms.....	32,811	84	153	265	76	126	313
16	Number of farms in 1900.....	<i>26,755</i>	<i>22</i>	<i>225</i>	<i>142</i>	<i>9</i>	<i>82</i>	<i>215</i>
17	Per cent of all farms.....	21.0	6.2	12.7	12.8	4.8	9.9	32.6
18	Per cent of all farms in 1900.....	<i>17.3</i>	<i>2.9</i>	<i>16.6</i>	<i>7.3</i>	<i>0.7</i>	<i>7.2</i>	<i>20.4</i>
19	Land in farms.....acres.....	6,593,204	22,146	33,917	53,323	3,871	23,060	90,896
20	Improved land in farms.....acres.....	5,204,787	6,061	14,895	31,354	1,087	14,077	76,035
21	Value of land and buildings.....dollars.....	321,172,828	295,130	1,252,200	1,627,315	95,803	792,985	3,907,465
22	Form of tenancy:							
23	Share tenants.....	18,471	22	61	203	21	87	239
24	Share-cash tenants.....	3,774	3	6	11		7	17
25	Cash tenants.....	7,918	53	83	29	54	28	9
26	Tenure not specified.....	2,648	6	33	22	1	4	48
27	Color and nativity of tenants:							
28	Native white.....	21,446	45	109	163	19	93	203
29	Foreign-born white.....	11,268	39	72	93	5	33	110
30	Negro and other nonwhite.....	97		2	9	52		
FARMS OPERATED BY MANAGERS								
31	Number of farms.....	1,222	10	15	12	9	10	17
32	Number of farms in 1900.....	<i>1,095</i>	<i>8</i>	<i>12</i>	<i>8</i>	<i>6</i>	<i>9</i>	<i>11</i>
33	Land in farms.....acres.....	413,734	1,666	12,665	3,435	1,630	3,912	4,276
34	Improved land in farms.....acres.....	285,241	647	7,017	1,470	396	2,370	3,530
35	Value of land and buildings.....dollars.....	20,909,251	41,400	728,595	100,700	39,937	175,200	210,750
MORTGAGE DEBT REPORTS:								
36	For all farms operated by owners:							
37	Number free from mortgage debt.....	65,038	663	679	924	1,065	577	235
38	Number with mortgage debt.....	56,145	588	561	857	424	562	394
39	Number with no mortgage report.....	921	3	7	16	3	4	2
40	For farms consisting of owned land only:							
41	Number reporting debt and amount.....	41,775	541	468	666	395	476	242
42	Value of their land and buildings.....dollars.....	295,015,775	1,298,834	2,076,511	2,651,692	837,150	2,344,807	2,976,360
43	Amount of mortgage debt.....dollars.....	77,866,283	270,936	512,979	658,519	165,447	610,056	768,924
44	Per cent of value of land and buildings.....	26.4	20.9	24.7	24.8	19.8	26.0	25.8

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	Dairy cows on farms reporting dairy products.....	number..	1,035,290	5,130	9,066	10,695	3,021	10,455	4,334
2	Dairy cows on farms reporting milk produced.....	number..	726,907	4,964	6,682	8,715	2,152	7,305	2,682
3	Milk—Produced.....	gallons...	273,319,003	1,710,143	2,799,544	3,042,948	936,064	2,333,641	1,012,097
4	Sold.....	gallons...	59,181,785	11,741	752,608	50,922	48,539	119,285	41,681
5	Cream sold.....	gallons...	5,750,105	27,332	26,034	32,795	1,801	103,946	35,044
6	Butter fat sold.....	pounds...	40,414,151	110,875	138,130	418,919	33,366	560,153	90,016
7	Butter—Produced.....	pounds...	34,708,609	270,093	453,389	568,194	244,644	170,121	189,373
8	Sold.....	pounds...	18,016,409	109,629	309,736	278,844	107,333	53,582	80,648
9	Cheese—Produced.....	pounds...	106,073	60		2,003	870	226	210
10	Sold.....	pounds...	79,045	10		1,685	80		
11	Value of dairy products, excluding home use of milk and cream.....	dollars...	29,219,406	108,975	285,363	278,560	82,888	265,556	93,768
12	Receipts from sale of dairy products.....	dollars...	25,214,222	72,695	248,242	212,266	49,117	233,673	69,087
Poultry Products									
13	Poultry—Raised.....	number..	10,933,411	30,772	80,940	84,397	36,242	80,119	70,043
14	Sold.....	number..	3,704,433	7,803	27,703	21,568	9,221	22,786	24,263
15	Eggs—Produced.....	dozens...	50,413,375	139,083	367,495	432,232	155,238	323,047	278,477
16	Sold.....	dozens...	34,347,776	55,555	221,245	247,088	67,746	183,303	184,091
17	Value of poultry and eggs produced.....	dollars...	13,490,745	36,624	107,966	104,692	49,808	93,041	81,739
18	Receipts from sale of poultry and eggs.....	dollars...	8,093,772	13,071	57,960	53,105	19,793	45,705	47,501
Honey and Wax									
19	Honey produced.....	pounds...	976,262	2,699	2,196	1,371	3,750	9,057	1,093
20	Wax produced.....	pounds...	16,830	83	338	108	25	151	60
21	Value of honey and wax produced.....	dollars...	124,617	400	304	260	609	1,155	175
Wool, Mohair, and Goat Hair									
22	Wool, fleeces shorn.....	number..	387,599	1,401	734	3,830	743	2,455	3,459
23	Mohair and goat hair, fleeces shorn.....	number..	1,952	50	2	9	4	31	
24	Value of wool and mohair produced.....	dollars...	695,958	1,969	979	6,125	906	3,968	6,189
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	Calves—Sold or slaughtered.....	number..	257,463	1,121	2,308	2,296	532	2,367	566
26	Other cattle—Sold or slaughtered.....	number..	521,260	2,452	3,142	5,938	1,732	3,826	3,149
27	Horses, mules, and asses and burros—Sold.....	number..	46,818	120	174	468	112	363	389
28	Pigs—Sold or slaughtered.....	number..	1,353,308	1,763	4,490	5,208	1,455	6,041	8,981
29	Swine and goats—Sold or slaughtered.....	number..	259,820	914	714	2,065	452	1,291	3,660
30	Receipts from sale of animals.....	dollars...	34,121,517	54,525	109,859	181,045	32,124	165,991	236,006
31	Value of animals slaughtered.....	dollars...	6,942,498	41,421	61,970	77,390	41,221	74,631	40,703

AGRICULTURE—MINNESOTA.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Blue Earth.	Brown.	Carlton.	Carver.	Cass. ¹	Chippewa.	Chisago.	Clay.	Clearwater. ¹	Cook.	Cottonwood.	Crow Wing.	Dakota.
1	2,128	1,280	1,138	1,072	858	1,035	1,831	1,298	1,001	144	1,049	1,009	1,600
2	<i>2,444</i>	<i>1,422</i>	<i>1,174</i>	<i>1,114</i>	<i>683</i>	<i>1,375</i>	<i>1,812</i>	<i>1,709</i>	(?)	<i>50</i>	<i>1,234</i>	<i>1,131</i>	<i>1,537</i>
3	72.4	70.8	65.2	83.0	90.5	60.0	61.3	74.7	94.9	98.6	68.8	87.9	74.0
4	76.7	76.6	65.5	86.8	94.8	81.4	82.0	85.7	(?)	100.0	78.7	91.1	71.4
5	315,067	250,030	110,888	180,604	126,323	233,874	202,984	390,460	167,862	23,294	242,937	141,243	239,095
6	252,744	218,807	25,058	107,803	35,550	205,175	94,134	320,508	38,984	1,547	222,394	42,509	186,529
7	20,217,739	12,835,740	2,911,666	14,901,885	2,183,502	10,365,921	9,401,147	15,297,177	2,489,449	325,265	12,406,624	3,310,140	14,526,685
8	1,702	1,062	1,100	1,542	789	768	1,636	862	850	144	654	840	1,237
9	426	218	38	130	69	277	105	436	151	-----	380	169	363
10	1,315	682	199	936	468	379	468	390	352	29	416	458	960
11	813	648	935	736	390	656	1,363	908	647	115	624	550	637
12	-----	-----	4	-----	-----	-----	-----	-----	2	-----	-----	1	3
13	794	519	44	302	85	450	171	423	53	2	534	119	544
14	788	406	21	254	32	500	153	267	(?)	-----	528	30	552
15	27.0	28.7	3.7	15.2	9.0	30.0	8.5	24.3	5.0	1.4	33.8	10.4	25.2
16	23.0	21.9	5.5	12.0	4.8	17.8	7.3	18.4	(?)	-----	20.9	7.3	27.0
17	130,114	104,446	4,598	33,248	18,308	103,936	22,294	126,066	7,214	475	123,679	18,912	85,041
18	103,417	87,353	970	19,288	3,936	91,531	10,331	101,451	1,559	21	111,541	6,763	69,338
19	7,752,749	4,995,039	98,830	2,543,580	276,265	4,432,401	978,350	4,597,009	108,210	9,500	5,952,254	453,595	4,959,945
20	548	351	4	69	41	246	70	300	17	-----	337	48	214
21	84	73	2	5	1	29	5	33	1	-----	107	2	70
22	158	94	31	177	33	32	87	30	31	2	90	57	197
23	4	1	7	51	10	143	9	60	4	-----	-----	12	63
24	607	363	22	207	70	266	92	248	20	1	339	89	385
25	187	156	22	95	15	184	78	175	22	1	195	30	158
26	-----	-----	-----	-----	-----	-----	1	-----	11	-----	-----	-----	1
27	19	8	13	18	5	14	3	17	(?)	-----	6	20	19
28	9	29	6	7	9	14	4	18	-----	-----	6	20	22
29	3,704	1,835	5,019	2,440	2,450	3,026	405	14,896	40	-----	4,880	8,616	5,065
30	2,734	1,518	1,490	1,361	776	3,181	205	13,889	2	-----	4,733	2,667	3,926
31	240,590	98,115	153,900	258,570	64,200	146,270	19,000	620,600	1,000	-----	254,000	247,720	318,260
32	1,273	903	675	1,138	536	359	1,139	523	485	132	379	617	1,072
33	849	372	462	522	319	663	687	767	513	12	659	388	503
34	6	5	1	12	3	13	5	8	3	-----	2	4	26
35	604	275	430	443	275	451	580	453	423	9	380	308	356
36	5,893,322	2,759,772	1,112,949	4,037,120	795,231	4,490,945	2,709,995	4,851,457	976,608	41,700	4,237,810	969,208	2,764,785
37	1,536,121	709,683	227,747	1,107,773	154,940	1,243,291	620,578	1,322,205	188,578	4,175	1,219,813	163,275	682,220
38	26.1	25.7	20.5	27.4	19.5	27.7	22.2	27.3	19.3	10.0	28.8	16.7	24.7

¹ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

1	19,914	15,522	4,033	10,532	3,431	8,786	14,405	10,514	4,324	117	12,643	5,151	12,294
2	8,095	12,374	3,244	14,161	2,745	6,803	11,423	8,407	4,273	116	5,650	4,343	8,491
3	3,166,097	4,316,737	1,636,097	5,086,733	896,037	2,253,208	4,532,794	2,988,286	1,621,339	56,196	2,355,285	1,467,812	3,606,034
4	1,825,493	1,686,757	87,108	1,083,289	2,460	84,826	1,042,083	299,971	3,702	2,705	18,639	83,738	1,004,442
5	80,551	105,347	18,753	68,745	17,794	72,660	13,103	38,528	8,444	-----	22,625	23,467	68,873
6	612,443	479,734	138,291	928,738	105,551	95,692	1,028,951	170,771	121,563	-----	859,921	34,387	819,816
7	647,760	166,414	298,527	458,285	190,017	449,765	152,008	650,048	282,494	14,324	220,087	350,966	676,998
8	461,601	69,333	154,824	373,193	88,294	201,760	98,058	340,283	154,978	3,757	46,751	214,767	466,673
9	3,600	1,900	258	-----	60	-----	651	150	960	-----	-----	245	-----
10	3,500	1,700	-----	-----	-----	-----	638	-----	650	-----	-----	95	-----
11	593,452	406,980	132,064	606,016	87,504	189,489	447,979	264,863	107,471	4,797	280,882	125,937	430,403
12	540,669	383,308	99,643	580,882	61,493	135,000	434,632	185,122	76,991	1,703	241,192	94,257	367,743
13	279,494	196,300	32,385	182,630	25,385	117,296	65,105	112,465	17,030	2,705	152,143	47,536	210,371
14	91,894	50,900	9,965	62,099	6,816	35,535	17,171	37,175	4,139	518	48,451	15,922	83,044
15	1,150,876	884,388	130,831	949,735	126,098	581,455	532,643	483,361	110,056	14,424	624,313	209,605	814,632
16	840,237	646,394	74,122	721,606	55,799	419,102	337,697	284,508	57,491	4,500	444,239	114,874	493,271
17	322,821	222,104	40,476	249,156	33,281	137,627	124,758	130,189	24,722	5,378	160,474	59,032	263,420
18	195,999	137,114	20,080	167,304	13,471	86,374	72,143	67,773	11,606	1,621	96,686	29,066	144,241
19	33,461	14,738	974	18,844	3,871	2,946	6,478	2,025	2,987	100	2,786	13,107	15,026
20	131	220	8	404	572	58	194	30	-----	-----	11	142	476
21	4,364	1,633	151	2,397	618	363	777	70	550	-----	403	1,784	1,766
22	7,640	3,027	588	2,083	1,303	2,158	1,441	2,984	2,275	13	10,165	1,493	4,634
23	-----	8	54	2	16	1	1	8	6	-----	1	44	-----
24	14,319	4,921	1,057	4,191	2,076	3,723	2,057	4,702	2,755	27	18,098	2,123	7,643
25	5,797	4,894	1,323	10,731	1,001	1,324	4,334	2,483	1,281	4	987	1,348	3,379
26	7,148	4,563	1,900	4,292	3,441	3,807	4,508	5,555	2,427	163	8,337	2,348	6,262
27	885	573	110	462	106	435	335	617	170	5	745	184	792
28	30,686	21,773	1,637	26,383	1,542	17,739	6,827	6,203	1,510	18	19,766	3,177	18,922
29	2,660	1,176	574	1,311	787	1,341	723	2,401	1,257	10	5,328	568	4,402
30	737,269	434,111	48,713	436,192	86,453	334,910	183,828	234,518	60,199	2,744	554,177	69,543	535,229
31	112,634	107,297	34,568	156,535	30,052	61,283	80,916	83,412	32,986	1,751	64,845	54,529	111,368

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in Italics.]

	Dodge.	Douglas.	Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.
FARMS OPERATED BY OWNERS									
1									
2	1,070	1,995	1,428	2,317	1,773	2,067	872	3,081	1,514
3	<i>1,155</i>	<i>2,087</i>	<i>1,675</i>	<i>2,652</i>	<i>2,049</i>	<i>2,570</i>	<i>1,026</i>	<i>2,778</i>	<i>1,739</i>
4	67.4	88.1	66.8	72.1	71.6	68.0	73.6	80.0	79.2
5	70.0	88.7	75.0	78.3	76.1	73.8	82.4	75.4	81.5
6	165,076	303,884	286,192	368,646	282,906	304,420	211,024	219,805	253,414
7	144,275	186,823	254,612	274,077	225,647	236,962	184,425	147,417	184,160
8	9,484,143	11,895,698	19,043,308	21,698,416	16,291,175	18,423,164	8,443,994	22,564,980	10,834,892
Degree of ownership:									
9	829	1,689	1,123	1,804	1,485	1,709	636	2,623	1,335
10	241	306	305	513	288	358	236	458	179
Color and nativity of owners:									
11	694	680	890	1,430	865	956	306	1,870	812
12	376	1,315	538	887	908	1,107	566	1,207	702
FARMS OPERATED BY TENANTS									
13	503	268	688	870	683	980	304	721	390
14	<i>485</i>	<i>283</i>	<i>544</i>	<i>802</i>	<i>683</i>	<i>822</i>	<i>207</i>	<i>864</i>	<i>396</i>
15	31.7	11.8	32.2	27.4	27.6	31.6	28.7	18.7	20.4
16	29.4	11.8	24.4	23.1	23.2	25.6	18.6	23.5	18.1
17	93,191	49,975	141,240	146,790	124,141	155,103	81,635	58,384	71,667
18	79,068	32,456	124,163	114,880	99,663	121,632	69,711	38,598	39,126
19	4,990,105	1,954,490	8,838,863	8,835,995	6,976,929	8,981,315	3,039,856	6,699,285	3,079,360
Form of tenancy:									
20	323	191	413	501	335	642	279	80	168
21	44	15	100	65	43	74	7	20	7
22	82	54	171	247	281	290	11	580	142
23	54	8	4	66	24	15	7	41	73
Color and nativity of tenants:									
24	381	181	498	697	396	699	190	437	311
25	122	87	190	182	287	280	114	283	79
26						1		1	
FARMS OPERATED BY MANAGERS									
27	14	2	23	17	21	13	9	51	8
28	<i>11</i>	<i>37</i>	<i>13</i>	<i>23</i>	<i>19</i>	<i>18</i>	<i>12</i>	<i>42</i>	<i>9</i>
29	3,566	520	6,049	3,378	6,664	2,529	3,825	6,189	2,013
30	3,237	450	5,490	2,379	3,367	1,404	3,246	5,706	734
31	130,860	18,800	388,445	183,325	388,920	129,000	183,040	1,652,538	97,900
MORTGAGE DEBT REPORTS¹									
For all farms operated by owners:									
32	617	1,025	680	1,427	943	1,423	384	2,064	992
33	442	967	737	855	817	626	451	973	517
34	11	3	11	35	13	18	7	44	5
For farms consisting of owned land only:									
35	317	782	542	594	643	475	316	782	430
36	2,677,568	4,227,608	7,299,032	5,074,442	5,644,380	3,946,439	2,780,000	4,841,630	2,937,680
37	807,294	1,000,086	1,917,653	1,513,896	1,729,217	1,096,360	614,854	1,222,061	954,340
38	30.2	23.7	26.3	29.8	30.6	27.8	22.1	25.2	32.6

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	15,551	14,595	17,687	20,366	26,587	24,111	7,585	22,379	14,381
2	10,256	10,697	12,807	13,282	15,769	16,602	5,526	19,607	6,539
3	4,850,057	4,001,506	4,068,323	6,567,474	5,781,089	6,413,763	1,866,396	9,144,085	3,834,781
4	1,615,633	806,215	1,060,202	1,025,524	4,539,932	2,290,626	5,844	5,953,533	17,776
5	131,309	58,003	114,047	84,176	83,586	207,637	46,516	47,361	79,015
6	498,999	738,237	606,760	1,070,904	519,429	1,166,835	297,670	293,000	583,257
7	640,268	434,877	344,581	868,936	750,510	435,185	300,858	785,446	611,320
8	473,813	146,194	259,491	394,853	586,890	126,927	95,048	507,035	361,985
9	1,800	3,056	85	115	6,998	6,998	8,400	9,583	3,509
10	300	3,056	50	50	950	8,400	8,400	8,861	2,600
11	488,192	376,039	485,042	533,994	852,847	700,130	167,621	1,269,169	341,837
12	447,611	307,965	461,062	423,349	802,173	681,675	124,416	1,166,465	282,078
Poultry Products									
13	124,807	116,404	229,582	232,432	259,530	237,802	71,940	264,946	140,683
14	55,051	41,474	85,833	94,818	101,892	87,287	26,669	93,294	53,344
15	645,000	668,687	839,473	1,260,890	1,116,949	1,276,267	367,866	1,166,818	581,854
16	529,647	444,612	685,206	890,003	886,042	952,002	255,829	654,663	415,061
17	177,538	158,123	251,290	318,721	327,201	320,005	92,993	379,112	160,692
18	128,996	98,298	151,660	205,823	216,114	213,481	59,718	187,605	99,803
Honey and Wax									
19	21,032	8,342	21,640	79,339	25,173	32,704	635	37,550	23,271
20	820	209	149	1,317	384	419	790	130	130
21	2,864	1,030	2,782	9,032	3,082	3,709	87	5,290	2,419
Wool, Mohair, and Goat Hair									
22	8,193	3,419	4,889	20,445	3,588	11,290	2,547	1,845	6,832
23			1	4	6	2	18	7	2
24	15,689	5,033	8,721	42,573	6,592	24,091	4,015	3,303	13,582
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	3,261	3,745	2,937	1,762	6,972	5,730	1,505	7,891	1,710
26	9,794	5,826	12,289	20,202	11,174	10,737	4,169	8,679	10,327
27	716	600	1,063	1,808	1,026	1,026	393	677	762
28	17,072	12,452	31,350	54,084	36,959	22,037	5,687	17,320	33,664
29	3,977	1,683	2,950	15,616	2,348	7,870	1,108	19,651	4,183
30	599,868	280,247	907,048	1,759,495	895,767	661,709	184,816	427,864	865,902
31	52,587	96,249	84,003	99,458	110,777	155,062	46,545	231,408	62,627

AGRICULTURE—MINNESOTA.

833

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in Italics.]

	Hubbard. ¹	Isanti.	Itasca. ²	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi- ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.
1	766	1,854	700	1,207	942	1,651	1,036	430	1,220	199	1,855	938	1,054
2	<i>604</i>	<i>1,856</i>	<i>106</i>	<i>1,418</i>	<i>720</i>	<i>1,818</i>	<i>1,158</i>	(³)	<i>1,487</i>	<i>19</i>	<i>2,087</i>	<i>1,130</i>	<i>1,220</i>
3	90.9	89.9	95.2	63.3	92.6	73.8	85.6	98.2	65.5	94.8	83.6	71.9	62.7
4	<i>92.7</i>	<i>90.8</i>	<i>90.8</i>	<i>72.5</i>	<i>96.1</i>	<i>80.0</i>	<i>91.5</i>	(³)	<i>78.2</i>	<i>100.0</i>	<i>84.4</i>	<i>84.3</i>	<i>74.8</i>
5	131,986	213,138	103,218	266,157	101,946	328,357	301,500	71,856	295,788	20,932	219,397	224,319	248,472
6	45,553	97,223	12,305	230,673	33,397	260,189	228,621	5,430	257,738	2,203	136,522	182,213	216,975
7	2,331,605	6,833,562	1,726,765	14,967,117	3,500,264	13,802,318	9,218,717	898,120	14,572,100	353,665	14,828,275	9,842,831	12,406,486
8	629	1,568	766	762	871	1,196	770	432	979	199	1,599	685	800
9	137	286	24	445	71	455	266	4	241	.....	256	253	254
10	450	426	325	455	267	472	147	177	516	20	1,183	271	471
11	315	1,428	462	762	675	1,179	887	259	704	179	671	667	583
12	1	.....	3	.....	.....	.....	2	.....	.....	.....	1	.....	.....
13	66	206	31	685	60	571	136	7	629	2	362	364	605
14	<i>44</i>	<i>186</i>	<i>10</i>	<i>625</i>	<i>22</i>	<i>459</i>	<i>92</i>	(³)	<i>467</i>	.....	<i>378</i>	<i>202</i>	<i>590</i>
15	7.8	10.0	3.7	35.9	5.9	25.5	11.2	1.6	33.8	1.0	16.3	27.9	36.0
16	<i>6.9</i>	<i>9.1</i>	<i>4.6</i>	<i>29.9</i>	<i>2.9</i>	<i>19.4</i>	<i>7.3</i>	(³)	<i>23.4</i>	.....	<i>15.3</i>	<i>16.1</i>	<i>23.9</i>
17	12,594	24,192	3,431	140,676	9,157	130,092	37,937	929	164,391	50	42,468	81,410	147,800
18	6,675	12,239	680	120,115	2,540	105,506	29,439	89	141,760	45	26,520	69,790	122,639
19	261,535	786,020	71,850	7,627,429	293,360	5,164,185	1,134,700	12,500	7,905,392	3,400	2,666,920	3,015,056	7,110,675
20	45	125	2	344	24	343	87	.....	553	.....	160	238	357
21	.....	6	.....	207	3	60	3	.....	37	.....	17	35	65
22	13	66	23	129	26	128	20	.....	31	.....	97	89	108
23	8	9	6	5	7	31	26	.....	3	.....	1	2	75
24	40	111	22	420	32	341	39	4	364	1	271	194	350
25	17	95	3	265	28	230	97	3	265	1	89	170	255
26	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
27	11	3	9	14	15	15	38	1	14	9	1	2	23
28	<i>3</i>	<i>2</i>	<i>11</i>	<i>11</i>	<i>7</i>	<i>15</i>	<i>18</i>	(³)	<i>7</i>	.....	<i>7</i>	<i>8</i>	<i>22</i>
29	7,404	312	1,731	4,506	5,267	4,896	32,620	460	3,923	1,297	80	400	5,274
30	3,471	180	641	3,927	1,433	3,908	26,329	10	3,627	133	75	320	4,558
31	73,470	10,500	67,050	243,960	176,644	213,910	1,189,160	2,800	270,505	31,700	4,000	14,000	289,100
32	392	1,047	574	428	336	670	312	397	436	160	1,307	297	377
33	371	800	209	770	552	970	717	35	779	38	521	638	673
34	3	7	7	9	4	11	7	4	5	1	27	8	4
35	285	633	196	455	498	641	501	30	579	87	408	431	473
36	796,500	2,180,010	510,430	5,374,360	1,751,325	5,188,909	4,035,954	61,810	6,775,139	84,685	3,173,910	4,185,306	5,389,839
37	169,070	512,140	107,951	1,328,060	448,218	1,507,017	1,070,481	10,105	1,697,286	19,990	838,738	1,172,068	1,555,562
38	20.8	23.5	21.1	24.7	25.6	29.0	23.6	26.3	25.1	23.6	26.7	28.0	28.9

³ No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	2,348	10,223	1,534	15,673	5,161	10,524	6,516	326	10,280	265	13,068	10,192	10,606
2	1,976	8,571	1,361	9,986	4,943	13,187	6,414	294	8,755	260	7,066	7,217	4,803
3	780,537	2,819,457	558,751	3,629,828	1,766,232	4,805,632	2,377,142	127,209	2,642,338	120,370	2,201,098	2,887,184	1,465,967
4	47,069	534,880	45,918	48,231	89,853	445,104	6,742	1,082	36,294	44,123	967,604	49,371	64,831
5	13,639	13,006	4,923	92,906	34,712	57,690	16,544	.....	40,763	206	203,848	35,338	59,278
6	15,575	398,215	.....	607,880	296,420	402,885	188,442	.....	271,610	.....	112,506	696,414	515,316
7	185,195	305,332	124,085	544,011	201,582	928,088	369,014	28,176	557,519	9,538	258,716	254,594	294,023
8	89,571	106,267	56,446	361,469	33,756	590,514	138,066	7,901	235,295	2,839	137,419	71,430	97,267
9	275	25	705	.....	400	4,300	1,125	80	534	.....	384	150	190
10	20	.....	.....	300	.....	4,000	30	.....	.....	.....	.....	.....	.....
11	68,930	228,288	49,142	373,812	154,058	428,118	140,212	8,013	226,993	13,231	303,650	292,671	255,135
12	45,611	182,234	30,868	328,045	113,849	348,778	92,070	2,435	155,410	11,296	276,387	247,717	208,652
13	33,251	55,303	23,564	193,580	24,150	143,026	49,089	5,654	174,509	6,835	211,497	101,751	161,765
14	10,749	18,433	6,318	71,790	7,892	49,094	7,245	1,080	55,045	2,118	71,545	28,267	63,327
15	145,024	445,702	90,046	849,158	125,378	813,723	267,008	25,013	770,412	23,677	744,502	431,256	546,349
16	71,203	289,559	37,220	604,818	70,849	588,011	117,898	8,008	521,534	14,745	509,923	320,633	401,877
17	41,512	93,158	34,874	222,232	39,041	198,322	64,065	9,024	198,642	9,686	232,601	112,329	167,033
18	19,269	57,000	12,836	134,527	17,275	126,345	24,521	2,496	114,489	5,007	131,062	62,962	103,714
19	550	1,568	.....	5,267	8,305	3,142	820	161	2,368	150	25,900	5,804	9,901
20	.....	70	.....	51	90	84	20	2	4	.....	605	35	352
21	75	188	.....	739	1,058	476	172	24	347	37	3,240	851	1,573
22	1,354	1,481	170	8,190	1,041	4,675	3,364	36	1,826	3	3,153	4,807	7,641
23	32	113	15	3	514	15	.....	.....	2	.....	.....	8	1
24	2,086	1,688	253	16,814	2,410	8,151	5,303	32	2,917	2	5,066	9,044	13,457
25	486	3,598	183	1,758	1,638	3,762	811	17	1,662	54	4,437	1,213	957
26	1,303	3,487	662	11,515	1,914	6,803	3,363	168	4,828	214	3,824	6,066	9,612
27	203	311	49	790	190	800	427	24	652	6	421	536	950
28	2,265	4,095	367	27,990	1,637	20,297	4,089	57	24,340	102	21,711	12,188	27,353
29	929	656	128	4,427	1,123	1,949	1,919	5	619	.....	1,321	2,522	12,634
30	48,685	128,021	15,903	786,679	71,681	507,141	130,373	5,477	479,262	3,335	400,698	335,483	759,670
31	36,858	51,162	13,366	78,793	21,158	89,207	58,074	3,515	76,343	4,603	87,136	54,051	56,639

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND

[Comparative data for June 1, 1900, in italics.]

	McLeod.	Mahno- men ¹	Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.	Murray.	
FARMS OPERATED BY OWNERS										
1	Number of farms.....	1,891	196	1,836	1,399	1,876	1,157	2,373	1,684	1,064
2	Number of farms in 1900.....	<i>2,010</i>	(²)	<i>2,239</i>	<i>1,568</i>	<i>2,131</i>	<i>2,213</i>	<i>1,807</i>	<i>1,831</i>	
3	Per cent of all farms.....	83.4	79.0	86.6	64.1	80.0	90.5	90.5	70.6	64.9
4	Per cent of all farms in 1900.....	<i>86.1</i>	(²)	<i>80.9</i>	<i>70.8</i>	<i>84.9</i>	<i>93.0</i>	<i>92.2</i>	<i>73.8</i>	<i>71.0</i>
5	Land in farms.....acres.....	241,841	31,551	464,717	266,043	272,583	106,493	333,772	292,261	280,303
6	Improved land in farms.....acres.....	192,929	17,283	303,434	230,039	203,479	42,341	162,000	267,876	232,406
7	Value of land and buildings.....dollars.....	16,475,675	739,630	10,949,458	16,610,357	13,956,926	4,030,856	10,158,792	18,531,711	13,226,764
Degree of ownership:										
8	Farms consisting of owned land only.....	1,720	161	1,354	1,093	1,490	1,082	2,083	1,262	663
9	Farms consisting of owned and hired land.....	171	35	482	306	380	95	290	422	396
Color and nativity of owners:										
10	Native white.....	910	84	304	685	732	323	840	992	359
11	Foreign-born white.....	980	66	1,532	714	1,144	834	1,533	692	665
12	Negro and other nonwhite.....	1	46							
FARMS OPERATED BY TENANTS										
13	Number of farms.....	363	51	265	761	400	119	241	682	567
14	Number of farms in 1900.....	<i>393</i>	(²)	<i>200</i>	<i>624</i>	<i>361</i>	<i>70</i>	<i>132</i>	<i>617</i>	<i>460</i>
15	Per cent of all farms.....	16.0	20.6	12.5	34.9	19.6	9.3	9.2	28.6	34.6
16	Per cent of all farms in 1900.....	<i>13.0</i>	(²)	<i>8.1</i>	<i>29.2</i>	<i>14.4</i>	<i>6.8</i>	<i>7.6</i>	<i>25.2</i>	<i>27.4</i>
17	Land in farms.....acres.....	55,275	10,323	80,631	155,798	83,937	14,171	39,428	130,373	135,571
18	Improved land in farms.....acres.....	45,438	6,820	61,477	135,821	65,576	5,537	21,715	119,068	118,700
19	Value of land and buildings.....dollars.....	3,298,175	243,375	2,293,055	9,256,175	4,037,145	471,100	1,141,105	7,996,400	6,755,770
Form of tenancy:										
20	Share tenants.....	189	35	165	272	273	49	150	428	236
21	Share-cash tenants.....	39	1	7	113	27	2	7	101	234
22	Cash tenants.....	118	1	24	333	155	54	68	119	82
23	Tenure not specified.....	17	14	69	43	5	14	16	34	15
Color and nativity of tenants:										
24	Native white.....	238	26	114	538	283	73	152	502	353
25	Foreign-born white.....	125	16	151	223	177	46	89	180	214
26	Negro and other nonwhite.....	1	9							
FARMS OPERATED BY MANAGERS										
27	Number of farms.....	14	1	20	21	10	2	8	20	9
28	Number of farms in 1900.....	<i>22</i>	(²)	<i>25</i>	<i>11</i>	<i>19</i>	<i>2</i>	<i>5</i>	<i>23</i>	<i>13</i>
29	Land in farms.....acres.....	1,845	116	22,517	5,886	1,903	2,933	1,528	5,794	5,114
30	Improved land in farms.....acres.....	1,658	20	15,766	4,944	1,487	500	435	4,648	4,537
31	Value of land and buildings.....dollars.....	130,100	7,000	338,800	420,750	111,620	66,000	35,000	408,610	269,600
MORTGAGE DEBT REPORTS:										
For all farms operated by owners:										
32	Number free from mortgage debt.....	1,306	103	747	475	942	461	1,245	933	309
33	Number with mortgage debt.....	675	88	1,083	910	927	695	1,112	727	748
34	Number with no mortgage report.....	10	5	6	14	7	1	16	24	7
For farms consisting of owned land only:										
35	Number reporting debt and amount.....	495	70	727	674	667	624	922	488	418
36	Value of their land and buildings.....dollars.....	4,313,025	266,590	4,037,775	7,918,808	4,641,600	2,104,559	3,625,015	5,112,425	4,750,904
37	Amount of mortgage debt.....dollars.....	1,068,372	72,600	1,069,048	2,288,519	1,251,336	516,275	893,615	1,385,682	1,305,012
38	Per cent of value of land and buildings.....	24.8	27.2	26.5	28.9	27.0	24.5	24.7	27.1	27.5

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS										
Dairy Products										
1	Dairy cows on farms reporting dairy products.....	19,537	1,030	13,286	15,614	18,532	7,947	10,769	17,026	12,070
2	Dairy cows on farms reporting milk produced.....	12,209	805	11,443	7,699	14,013	7,785	11,780	11,090	9,396
3	Milk—Produced.....gallons.....	4,213,903	249,501	3,814,474	3,309,385	5,857,347	2,977,856	5,621,543	4,123,224	3,925,471
4	Sold.....gallons.....	1,563,203	6,790	18,234	282,280	858,944	18,790	136,720	733,303	23,069
5	Cream sold.....gallons.....	5,855	5,872	125,161	75,053	26,780	14,111	111,383	95,152	83,154
6	Butter fat sold.....pounds.....	716,424	10,037	386,242	849,438	1,644,061	832,827	964,205	599,744	670,069
7	Butter—Produced.....pounds.....	787,174	48,440	673,840	388,873	80,001	126,128	469,063	686,515	227,611
8	Sold.....pounds.....	489,029	20,105	237,470	193,444	24,932	39,017	107,612	467,780	65,012
9	Cheese—Produced.....pounds.....	200		3,072	400		60			
10	Sold.....pounds.....	90		1,330	300			540		
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	596,884	18,114	334,749	406,481	566,640	266,815	446,727	475,069	278,643
12	Receipts from sale of dairy products.....dollars.....	599,683	11,692	243,389	358,947	553,073	244,802	375,051	415,299	236,506
Poultry Products										
13	Poultry—Raised.....number.....	254,843	8,542	80,760	264,817	148,809	43,627	113,875	191,392	179,348
14	Sold.....number.....	68,407	2,046	16,801	107,804	54,263	9,399	31,023	84,824	59,687
15	Eggs—Produced.....dozens.....	1,086,181	30,005	461,962	953,093	914,361	258,575	509,390	807,220	685,514
16	Sold.....dozens.....	823,747	12,962	256,981	659,464	643,192	155,748	349,081	588,190	492,043
17	Value of poultry and eggs produced.....dollars.....	280,265	7,859	102,306	284,927	226,699	68,179	137,309	239,101	187,294
18	Receipts from sale of poultry and eggs.....dollars.....	176,360	3,142	51,434	169,097	145,062	34,412	72,998	157,285	109,676
Honey and Wax										
19	Honey produced.....pounds.....	12,667		884	11,697	7,168	10,870	17,890	43,007	3,262
20	Wax produced.....pounds.....	113		4	71	108	388	664	307	12
21	Value of honey and wax produced.....dollars.....	1,672		163	1,094	1,033	1,164	2,297	5,254	487
Wool, Mohair, and Goat Hair										
22	Wool, fleeces shorn.....number.....	3,298	52	7,051	6,866	4,782	1,272	3,143	7,014	9,479
23	Mohair and goat hair, fleeces shorn.....number.....			22	1		100	1		
24	Value of wool and mohair produced.....dollars.....	5,956	85	10,920	12,829	9,133	1,585	4,771	13,620	17,076
DOMESTIC ANIMALS SOLD OR SLAUGHTERED										
25	Calves—Sold or slaughtered.....number.....	9,322	90	3,093	3,285	5,110	2,909	4,936	2,087	480
26	Other cattle—Sold or slaughtered.....number.....	3,053	367	7,775	13,327	5,373	3,696	5,991	13,110	10,428
27	Horses, mules, and asses and burros—Sold.....number.....	446	33	490	892	677	199	509	1,477	591
28	Swine—Sold or slaughtered.....number.....	22,491	336	6,648	82,253	19,045	3,601	10,778	23,477	22,790
29	Sheep and goats—Sold or slaughtered.....number.....	1,857	93	3,936	7,581	2,181	1,069	1,750	4,664	5,106
30	Receipts from sale of animals.....dollars.....	371,070	10,463	226,223	1,102,030	584,648	118,110	226,034	867,933	667,583
31	Value of animals slaughtered.....dollars.....	123,441	6,819	100,406	91,392	108,369	40,795	126,808	85,617	64,963

AGRICULTURE—MINNESOTA.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Nicollet.	Nobles.	Norman. ²	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake. ²	Redwood.	Renville.
1		974	1,297	1,636	4,976	1,092	1,943	551	2,850	1,321	833	428	1,519	2,015
2	1,080	1,121	1,696	1,875	5,609	(?)	1,300	585	3,840	1,618	600	1,259	1,814	2,344
3	67.0	53.5	78.5	70.8	85.7	87.8	94.0	52.2	81.1	80.1	78.1	81.2	65.7	70.2
4	74.8	64.0	87.5	73.8	85.5	(?)	86.0	58.7	81.5	86.2	66.0	.....	77.3	77.3
5	174,218	233,283	315,074	271,496	825,638	224,253	213,746	140,515	678,790	295,538	38,742	100,402	348,690	413,607
6	125,650	217,550	234,917	217,306	480,590	118,302	60,010	181,515	477,145	224,663	28,374	62,740	290,517	362,037
7	8,950,767	15,164,735	10,433,221	15,968,226	26,141,309	4,423,028	5,744,122	7,983,269	22,389,018	10,273,371	5,656,265	2,425,881	17,455,439	20,413,555
8	762	631	969	1,316	3,944	848	1,817	354	2,110	1,013	692	307	1,066	1,671
9	185	343	323	320	1,032	244	126	197	749	308	141	121	453	844
10	494	501	392	1,147	2,281	364	499	262	704	488	327	111	644	813
11	453	473	905	489	2,694	728	1,440	289	2,155	833	506	417	809	1,202
12	.....	.....	.....	.....	1	.....	4	.....	.....	.....	.....	.....	6	.....
13	457	836	337	656	796	141	111	493	626	321	208	99	778	833
14	363	615	289	648	874	(?)	49	407	454	251	314	116	510	652
15	32.3	40.0	20.4	25.4	13.7	11.3	5.4	46.7	17.3	19.5	10.5	18.8	33.7	29.0
16	25.0	35.1	11.8	26.5	10.8	(?)	5.5	40.8	10.5	13.4	34.0	.....	21.7	21.6
17	85,485	183,072	97,605	116,517	162,538	31,302	14,471	124,002	191,966	76,244	13,517	25,000	174,585	168,647
18	62,431	168,857	75,431	94,550	107,430	17,639	4,462	115,745	151,883	60,478	8,855	14,398	144,585	145,200
19	4,271,905	10,944,380	3,303,478	6,707,100	5,436,277	667,900	414,754	6,739,860	6,641,781	2,685,170	2,276,800	590,770	8,560,731	8,032,048
20	281	200	282	390	504	69	26	254	454	254	6	56	529	559
21	50	474	3	44	36	3	7	184	38	25	4	10	99	34
22	114	157	23	145	100	32	50	41	50	20	184	16	38	70
23	12	5	29	74	156	37	19	14	84	13	14	17	112	161
24	329	542	178	535	519	64	60	306	332	225	108	54	406	500
25	128	294	159	121	277	76	51	187	294	96	100	45	279	333
26	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	3	.....
27	10	9	19	18	32	11	12	11	40	7	26	.....	14	23
28	11	15	13	19	44	(?)	7	5	46	8	9	10	24	17
29	2,509	1,845	5,855	5,607	8,359	1,030	2,472	3,472	18,066	1,512	8,284	.....	4,196	7,544
30	1,596	1,749	4,430	4,328	4,578	794	206	3,206	14,018	1,254	3,065	.....	3,643	6,233
31	165,150	131,600	260,286	365,875	305,720	37,800	75,990	218,600	707,283	73,600	818,100	.....	233,810	407,840
32	683	391	540	873	2,455	360	939	185	1,176	596	598	152	552	1,012
33	251	568	744	748	2,496	781	997	358	1,655	719	215	274	948	986
34	8	15	13	15	25	1	7	8	28	6	20	2	19	17
35	173	328	520	558	1,875	563	908	205	1,137	497	164	190	612	745
36	1,493,324	4,945,324	3,561,270	5,104,324	8,195,292	1,746,113	2,730,900	2,739,185	7,426,947	3,638,485	784,315	867,611	6,891,251	7,506,707
37	424,805	1,191,756	804,003	1,562,513	2,103,211	413,015	657,925	762,450	1,837,728	804,757	197,480	219,610	1,793,379	1,954,084
38	28.4	24.1	24.3	30.6	25.7	23.7	24.1	27.8	24.7	22.1	25.2	25.3	25.6	26.0

* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	11,122	13,241	11,552	16,943	33,504	8,334	9,788	7,024	23,713	10,990	5,032	4,381	15,141	18,041
2	7,847	7,413	9,137	6,804	27,826	6,463	6,478	3,203	18,344	6,817	5,419	3,259	9,433	9,322
3	2,534,303	2,041,878	3,422,945	3,078,702	9,988,171	2,380,373	2,568,211	1,234,927	8,039,937	2,408,218	3,237,310	1,168,465	3,062,169	3,174,852
4	1,518,034	36,183	17,690	251,669	283,052	72,964	115,936	51,630	338,421	9,324	2,676,924	355,700	215,264	213,076
5	21,197	100,828	34,385	133,115	109,775	30,155	102,937	44,794	127,238	76,213	13,280	6,016	54,562	134,528
6	295,986	548,934	548,111	803,416	1,836,690	442,003	309,304	282,322	986,606	375,954	.....	190,508	706,822	425,657
7	93,420	325,789	513,078	695,017	1,262,512	295,052	412,786	261,917	1,377,339	416,132	136,972	151,133	415,143	783,019
8	67,243	131,989	219,601	421,081	432,154	101,971	244,868	135,144	665,911	161,882	80,069	78,817	169,867	415,500
9	.....	1,200	2,170	.....	2,106	8,393	.....	466	.....	7,775	1,396	.....	.....	50
10	.....	1,100	1,525	.....	1,780	5,808	.....	.....	.....	7,776	1,341	.....	.....	.....
11	257,804	271,474	291,995	528,716	874,051	227,900	290,518	157,741	737,115	241,566	611,854	128,593	343,067	405,618
12	251,155	225,405	222,442	453,651	690,753	181,948	248,391	128,410	567,589	186,739	596,865	110,950	282,798	320,100
13	135,466	183,936	80,922	199,702	281,007	38,694	61,441	103,482	205,344	103,183	56,199	22,735	266,000	267,859
14	34,571	59,143	21,735	64,917	95,711	9,617	18,005	31,485	66,774	33,885	17,959	6,488	90,283	95,893
15	680,157	726,672	572,105	1,051,195	1,459,682	241,190	355,400	388,273	999,211	509,041	255,855	118,937	1,069,283	1,219,347
16	527,048	507,849	393,868	782,184	990,374	124,773	204,178	285,727	615,998	356,131	110,139	51,773	744,380	876,307
17	167,807	268,642	125,049	265,647	353,700	51,789	89,002	115,814	266,315	92,162	124,375	129,766	202,395	197,986
18	109,712	116,618	75,930	167,215	218,648	24,202	46,575	63,252	148,695	86,096	37,223	12,427	174,371	198,274
19	10,870	8,074	1,503	34,515	26,107	4,458	12,386	1,876	10,228	1,768	1,616	2,825	10,541	10,380
20	152	47	10	308	299	512	372	.....	95	10	26	56	5	230
21	1,291	1,118	184	4,162	3,307	793	1,554	296	1,600	230	232	424	1,467	1,434
22	1,863	14,550	3,444	23,232	11,043	2,943	2,169	14,055	7,206	1,356	2,698	1,265	4,921	3,540
23	6	.....	.....	80	.....	10	3	.....	18	.....	.....	6	17	.....
24	2,848	26,840	5,639	45,190	16,689	3,882	3,453	26,446	11,658	2,657	4,011	2,117	8,815	6,297
25	3,703	954	2,168	1,862	9,023	2,477	3,466	426	7,098	1,521	1,586	618	2,423	4,005
26	3,897	15,662	7,557	15,984	15,093	8,982	3,168	6,720	13,260	5,794	1,271	2,476	8,549	6,719
27	378	1,247	471	1,134	1,271	225	272	451	1,067	517	59	148	855	905
28	14,959	40,567	6,180	41,181	27,933	2,737	4,833	15,572	12,137	8,424	3,063	1,961	24,191	29,890
29	565	8,423	2,475	16,025	5,901	1,669	1,330	8,650	4,991	736	2,888	1,168	2,120	2,080
30	330,491	1,134,630	225,666	1,232,848	660,341	149,980	104,250	470,081	443,482	268,226	79,003	67,971	668,191	609,863
31	82,151	73,889	75,070	74,182	265,357	52,669	68,248	43,543	185,867	60,244	29,394	33,155	96,735	147,569

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in italics.]

	Rice.	Rock.	Roseau.	St. Louis. ¹	Scott.	Sherburne.	Sibley.	Stearns.	Steele.	
FARMS OPERATED BY OWNERS										
1	Number of farms.....	1,928	512	1,500	2,357	1,209	984	1,572	3,551	1,457
2	Number of farms in 1900.....	<i>2,266</i>	<i>538</i>	<i>1,422</i>	<i>1,638</i>	<i>1,372</i>	<i>832</i>	<i>1,309</i>	<i>3,701</i>	<i>1,492</i>
3	Per cent of all farms.....	81.0	42.5	93.6	95.6	79.5	82.7	78.5	88.5	79.0
4	Per cent of all farms in 1900.....	<i>84.8</i>	<i>48.0</i>	<i>93.5</i>	<i>91.7</i>	<i>83.2</i>	<i>83.7</i>	<i>85.1</i>	<i>83.2</i>	<i>82.8</i>
5	Land in farms.....acres.....	234,938	116,506	294,101	251,173	164,255	164,113	268,891	610,004	202,454
6	Improved land in farms.....acres.....	179,857	109,783	144,992	86,716	106,702	86,386	212,125	356,814	173,932
7	Value of land and buildings.....dollars.....	15,510,330	9,353,425	4,452,468	4,834,709	10,040,225	4,933,523	14,339,517	23,457,151	12,524,277
Degree of ownership:										
8	Farms consisting of owned land only.....	1,666	391	1,301	2,329	1,091	795	1,323	3,029	1,293
9	Farms consisting of owned and hired land.....	262	121	199	28	118	189	244	522	191
Color and nativity of owners:										
10	Native white.....	1,057	225	349	367	771	444	816	1,711	659
11	Foreign-born white.....	870	287	1,149	1,089	438	539	756	1,840	791
12	Negro and other nonwhite.....	1	1	2	1	1	1	1	1	1
FARMS OPERATED BY TENANTS										
13	Number of farms.....	435	685	99	78	298	197	454	682	354
14	Number of farms in 1900.....	<i>535</i>	<i>691</i>	<i>20</i>	<i>54</i>	<i>270</i>	<i>153</i>	<i>553</i>	<i>731</i>	<i>294</i>
15	Per cent of all farms.....	18.3	56.8	6.2	3.2	19.6	16.0	22.1	16.0	19.4
16	Per cent of all farms in 1900.....	<i>14.4</i>	<i>50.0</i>	<i>1.4</i>	<i>7.8</i>	<i>16.4</i>	<i>16.0</i>	<i>16.0</i>	<i>16.0</i>	<i>16.3</i>
17	Land in farms.....acres.....	59,076	168,945	20,230	6,094	41,351	36,685	81,745	140,248	57,401
18	Improved land in farms.....acres.....	46,181	158,546	11,828	1,981	25,937	22,661	66,310	91,084	49,202
19	Value of land and buildings.....dollars.....	3,681,790	12,728,360	352,700	492,770	2,393,955	1,144,815	4,232,342	5,272,740	2,301,800
Form of tenancy:										
20	Share tenants.....	281	190	43	11	92	118	260	502	162
21	Share-cash tenants.....	13	327	5	10	23	37	40	6	6
22	Cash tenants.....	122	143	41	38	136	53	117	110	139
23	Tenure not specified.....	19	25	10	29	60	3	40	30	14
Color and nativity of tenants:										
24	Native white.....	305	390	38	23	221	146	302	499	237
25	Foreign-born white.....	129	295	61	55	77	51	152	183	117
26	Negro and other nonwhite.....	1	1	1	1	1	1	1	1	1
FARMS OPERATED BY MANAGERS										
27	Number of farms.....	17	8	3	30	13	9	29	22	13
28	Number of farms in 1900.....	<i>21</i>	<i>10</i>	<i>2</i>	<i>4</i>	<i>7</i>	<i>14</i>	<i>16</i>	<i>27</i>	<i>15</i>
29	Land in farms.....acres.....	3,930	2,900	775	15,728	2,278	3,739	6,629	10,990	2,700
30	Improved land in farms.....acres.....	3,343	2,390	512	2,414	1,022	1,880	5,469	4,468	2,265
31	Value of land and buildings.....dollars.....	312,794	170,900	14,700	440,820	123,400	88,075	347,580	377,210	185,678
MORTGAGE DEBT REPORTS¹										
For all farms operated by owners:										
32	Number free from mortgage debt.....	1,139	227	749	1,936	899	499	1,049	2,187	867
33	Number with mortgage debt.....	778	266	749	411	306	474	502	1,339	590
34	Number with no mortgage report.....	11	19	2	10	4	11	21	25	10
For farms consisting of owned land only:										
35	Number reporting debt and amount.....	625	171	615	385	266	366	306	1,047	455
36	Value of their land and buildings.....dollars.....	4,658,930	2,887,565	1,871,728	363,100	2,093,930	1,651,424	3,420,418	6,090,221	3,534,235
37	Amount of mortgage debt.....dollars.....	1,216,067	726,830	450,066	180,715	528,186	1,426,392	458,821	1,613,488	1,094,093
38	Per cent of value of land and buildings.....	26.1	25.1	24.0	20.8	25.2	25.8	27.7	26.5	31.0

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS										
Dairy Products										
1	Dairy cows on farms reporting dairy products.....	20,790	8,552	3,156	6,234	12,349	6,766	16,611	35,090	19,235
2	Dairy cows on farms reporting milk produced.....	14,312	4,224	7,290	5,597	8,303	5,025	9,683	27,110	12,567
3	Milk—Produced.....gallons.....	5,607,021	1,358,214	2,540,894	2,659,155	2,404,008	1,792,767	3,081,976	8,337,777	4,811,248
4	Sold.....gallons.....	2,022,033	34,622	15,436	968,524	617,949	76,633	636,507	1,373,024	3,018,714
5	Cream sold.....gallons.....	215,750	77,284	27,564	8,398	142,290	116,521	49,461	439,378	36,156
6	Butter fat sold.....pounds.....	1,047,423	354,727	226,663	13,101	322,462	224,085	404,977	1,022,376	561,620
7	Butter—Produced.....pounds.....	272,736	221,905	398,953	425,264	187,108	224,184	581,605	622,491	578,544
8	Sold.....pounds.....	133,698	59,595	154,697	205,851	115,126	110,051	416,783	325,730	511,899
9	Cheese—Produced.....pounds.....	7,652	5	2,319	2,319	2,084	80	80	2,704	2,704
10	Sold.....pounds.....	7,300	30	30	30	1,214	1,214	2,350	2,350	2,350
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	688,992	182,060	159,887	329,713	282,453	182,647	374,099	814,540	633,763
12	Receipts from sale of dairy products.....dollars.....	651,800	146,455	109,238	276,231	264,267	155,755	320,952	739,092	613,002
Poultry Products										
13	Poultry—Raised.....number.....	211,235	108,029	39,677	44,759	127,745	71,568	213,031	243,094	190,169
14	Sold.....number.....	90,221	29,196	5,524	14,245	51,987	24,538	68,360	72,701	62,674
15	Eggs—Produced.....dozens.....	859,530	433,131	248,079	275,423	748,522	318,078	956,914	1,489,402	774,573
16	Sold.....dozens.....	588,073	311,880	128,443	146,389	521,084	213,997	716,048	1,032,814	624,173
17	Value of poultry and eggs produced.....dollars.....	258,207	117,890	53,010	87,073	182,771	85,104	247,123	357,153	220,365
18	Receipts from sale of poultry and eggs.....dollars.....	160,851	66,945	24,165	49,879	119,722	60,790	157,145	227,920	146,491
Honey and Wax										
19	Honey produced.....pounds.....	10,794	7,615	1,150	14,888	1,118	14,748	12,731	10,859	175
20	Wax produced.....pounds.....	233	5	20	250	46	192	294	175	175
21	Value of honey and wax produced.....dollars.....	1,402	1,136	187	1,907	162	1,817	1,974	1,416	1,416
Wool, Mohair, and Goat Hair										
22	Wool, fleeces shorn.....number.....	3,601	11,220	5,530	436	3,806	1,544	3,605	6,771	1,351
23	Mohair and goat hair, fleeces shorn.....number.....	35	5	26	26	103	103	126	126	126
24	Value of wool and mohair produced.....dollars.....	7,267	20,730	6,924	673	6,134	2,647	5,917	10,405	2,732
DOMESTIC ANIMALS SOLD OR SLAUGHTERED										
25	Calves—Sold or slaughtered.....number.....	6,456	537	1,382	1,133	5,129	1,704	8,326	5,930	5,930
26	Other cattle—Sold or slaughtered.....number.....	7,243	9,215	4,316	2,811	3,255	2,990	3,495	11,540	6,684
27	Horses, mules, and asses and burros—Sold.....number.....	632	762	214	156	432	320	574	1,275	545
28	Swine—Sold or slaughtered.....number.....	22,529	29,134	2,889	1,455	15,813	7,027	22,097	37,310	25,179
29	Sheep and goats—Sold or slaughtered.....number.....	2,145	8,040	3,689	271	1,753	1,480	1,551	3,841	852
30	Receipts from sale of animals.....dollars.....	688,087	875,423	108,345	60,030	313,931	188,335	375,715	703,994	569,835
31	Value of animals slaughtered.....dollars.....	106,795	56,104	55,448	45,642	81,530	30,128	130,539	335,867	87,264

AGRICULTURE—MINNESOTA.

NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washington.	Watowan.	Willkn.	Winona.	Wright.	Yellow Medicine.	Indian res.
1	664	1,129	2,577	599	1,267	879	1,210	1,584	864	604	1,596	3,252	1,279	
2	<i>971</i>	<i>1,481</i>	<i>2,895</i>	<i>830</i>	<i>1,487</i>	<i>889</i>	<i>1,327</i>	<i>1,517</i>	<i>656</i>	<i>873</i>	<i>1,852</i>	<i>3,447</i>	<i>1,539</i>	279
3	65.4	73.5	86.1	60.4	72.6	87.5	77.2	81.5	68.1	61.3	74.5	85.3	69.6	
4	84.0	82.5	88.8	76.4	77.6	89.3	79.4	82.3	74.1	78.6	78.5	86.3	82.2	80.2
5	200,185	298,375	359,542	192,023	233,061	136,993	195,712	176,003	169,306	203,924	270,011	333,230	313,169	
6	175,178	264,825	168,806	183,860	160,950	69,300	156,965	117,700	151,608	193,673	171,502	198,450	264,821	
7	7,903,315	11,479,385	11,265,270	8,881,253	11,850,675	3,296,789	11,508,195	10,921,462	9,546,940	8,523,823	13,888,157	19,839,112	14,775,311	
8	393	790	2,052	346	1,055	708	990	1,352	668	353	1,357	2,675	907	
9	271	339	525	223	241	171	220	232	196	271	239	577	372	
10	271	450	1,035	251	767	353	743	767	305	255	976	1,585	484	
11	393	679	1,492	318	530	526	467	812	559	349	620	1,067	795	
12								5						
13	336	397	392	357	478	123	351	313	394	363	527	551	534	
14	<i>176</i>	<i>304</i>	<i>322</i>	<i>242</i>	<i>418</i>	<i>87</i>	<i>355</i>	<i>808</i>	<i>350</i>	<i>221</i>	<i>422</i>	<i>554</i>	<i>521</i>	67
15	33.1	25.8	13.1	37.9	26.7	12.3	22.4	16.4	31.0	36.8	24.6	14.4	29.1	
16	16.1	16.9	10.6	22.3	21.3	9.3	20.0	16.4	25.6	19.3	20.9	13.4	17.1	19.3
17	98,512	105,596	59,871	118,050	80,306	21,393	58,693	43,615	78,227	123,559	98,663	64,279	130,805	
18	84,042	93,393	29,953	113,294	67,480	10,359	47,982	30,377	70,470	116,593	62,966	37,986	108,170	
19	3,720,475	3,945,633	1,866,695	5,064,914	4,868,140	547,390	3,306,730	2,570,140	4,225,540	5,031,741	4,930,824	3,558,161	6,121,923	
20	276	328	231	304	253	54	189	62	167	344	235	237	343	
21	39	30	20	45	60	8	18	12	65	7	33	55	103	
22	17	36	85	6	102	28	137	173	75	10	206	248	69	
23	4	3	56	2	63	33	7	71	87	2	53	11	14	
24	193	250	308	201	359	88	238	222	247	232	393	391	337	
25	143	147	84	156	113	35	113	96	146	131	134	160	197	
26					1				1					
27	15	11	25	16	12	2	6	41	11	19	18	11	25	
28	<i>10</i>	<i>10</i>	<i>17</i>	<i>14</i>	<i>12</i>	<i>4</i>	<i>10</i>	<i>23</i>	<i>5</i>	<i>18</i>	<i>15</i>	<i>11</i>	<i>12</i>	
29	6,229	4,690	4,808	7,484	1,527	275	1,942	6,694	4,131	8,503	4,960	1,819	7,745	
30	5,298	4,054	2,524	7,004	1,133	44	1,565	4,663	3,869	7,971	3,206	1,356	6,144	
31	349,800	177,420	168,900	329,680	91,900	4,650	115,000	527,730	268,680	359,401	324,000	211,000	387,886	
32	224	421	1,199	206	799	386	742	983	375	203	986	1,757	455	
33	438	700	1,368	350	441	437	461	555	480	400	595	1,478	812	
34	2	8	10	13	57	6	7	16	9	1	15	17	12	
35	237	454	1,003	188	330	354	366	478	352	193	466	1,122	529	
36	2,650,295	4,153,240	4,034,855	2,708,700	2,921,215	1,181,123	3,458,235	2,841,935	3,844,760	2,714,377	3,772,710	6,520,787	5,818,239	
37	711,542	1,050,201	1,017,126	610,730	934,407	286,634	961,225	697,506	1,062,046	675,105	1,216,521	1,823,827	1,567,293	
38	26.8	25.3	24.9	22.1	32.0	24.3	27.8	24.5	27.0	24.9	32.2	28.0	26.9	

* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	6,521	9,433	18,650	4,799	11,106	6,454	13,379	10,637	10,720	5,161	16,450	26,004	11,535	
2	4,734	7,524	10,314	3,499	6,914	4,567	7,681	9,330	8,108	4,847	9,239	22,187	7,242	
3	1,653,251	2,003,047	3,820,758	1,144,976	2,410,499	2,000,736	2,406,604	3,972,611	3,266,602	1,531,362	3,686,845	8,116,137	2,307,324	
4	18,523	74,422	227,878	16,358	67,295	205,463	1,322,037	2,137,203	563,392	30,310	630,430	2,179,855	32,212	
5	65,000	41,690	115,500	39,606	114,790	50,361	36,008	43,669	102,250	19,027	40,043	208,041	37,705	
6	222,845	243,327	1,093,905	118,623	498,370	330,633	433,495	117,922	404,551	117,103	614,422	1,192,154	342,402	
7	228,050	441,958	454,062	230,251	378,349	167,445	308,008	337,037	198,849	264,281	762,484	498,430	546,999	
8	69,132	163,382	224,344	82,109	150,059	51,856	212,222	256,908	149,002	116,780	546,018	331,202	171,297	
9		1,826	2,000	1,228	75	1,450	15	106		455	1,350	1,704		
10		1,750	2,000	1,000	35	1,400				190	1,250	1,628		
11	151,116	196,681	529,380	108,464	305,798	184,525	348,276	388,161	274,537	107,644	557,731	802,545	249,224	
12	115,352	136,847	471,248	75,447	251,812	158,031	321,224	356,449	262,547	74,891	500,262	759,468	161,636	
13	84,218	112,296	132,161	83,870	127,318	45,733	176,341	119,953	123,699	76,093	160,286	270,094	191,902	
14	27,703	28,269	47,549	25,179	45,108	16,956	60,009	44,731	40,839	24,422	55,510	103,258	72,167	
15	347,172	485,934	721,817	322,630	680,223	182,814	568,077	592,829	450,048	344,361	785,652	1,154,538	716,509	
16	219,897	325,968	487,218	180,178	444,933	117,408	397,207	300,244	310,651	163,074	598,765	825,070	509,206	
17	97,985	126,132	171,157	87,222	171,577	48,800	173,258	173,131	131,540	92,727	212,192	310,645	207,833	
18	56,213	72,101	103,759	42,806	100,101	27,371	98,890	95,472	75,285	46,377	110,458	201,258	122,026	
19	1,026	3,227	21,439	455	59,752	6,522	20,980	19,086	8,302	290	40,366	18,907	6,308	
20	11	10	370		510	43	249	512	132	5	765	518	20	
21	163	450	2,635	92	7,135	876	2,435	2,414	1,090	39	4,872	2,561	939	
22	0,442	2,207	4,236	2,360	13,274	2,159	4,200	2,431	3,807	1,736	10,194	2,871	2,956	
23	40		72	1	1	5	14	243		1	80	1	5	
24	11,587	3,761	6,456	4,407	28,882	3,383	8,029	4,750	5,708	3,144	21,439	4,869	5,657	
25	960	1,646	4,544	877	1,772	2,447	2,639	2,951	1,830	1,020	4,850	10,469	1,911	
26	3,152	4,646	7,587	2,648	7,991	2,221	4,647	6,763	6,471	2,818	8,517	7,182	5,974	
27	408	514	617	370	784	192	437	436	422	445	846	931	736	
28	7,618	13,218	14,920	7,552	22,619	3,251	16,590	10,338	16,770	4,696	27,794	35,465	22,320	
29	3,378	1,200	2,335	1,246	6,795	1,017	2,372	4,867	4,067	810	5,314	1,378	1,139	
30	216,010	305,102	333,292	180,350	594,618	94,546	357,016	371,004	462,053	138,953	730,722	664,415	500,345	
31	47,241	74,096	115,490	46,777	89,275	35,516	79,468	132,526	50,611	53,203	130,038	169,520	77,414	

AGRICULTURE—MINNESOTA.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Bigstone.	Blue Earth.	
VALUE OF ALL CROPS										
1	Total.....	dollars..	193,451,474	404,192	1,116,212	1,556,328	601,459	1,176,027	2,431,452	3,974,042
2	Cereals.....	dollars..	140,864,148	31,157	393,435	976,676	54,046	775,985	2,074,389	3,225,658
3	Other grains and seeds.....	dollars..	6,510,025	4,802	9,383	64,545	5,031	22,896	151,276	22,694
4	Hay and forage.....	dollars..	26,724,801	151,451	236,258	300,873	127,054	200,051	158,623	441,325
5	Vegetables.....	dollars..	11,044,391	76,054	406,365	100,164	126,585	104,466	40,505	139,094
6	Fruits and nuts.....	dollars..	1,307,377	5,700	12,597	6,045	1,221	6,709	4,491	49,003
7	All other crops.....	dollars..	7,000,732	136,028	60,144	108,225	286,922	56,290	2,163	96,453
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total.....	acres.....	10,139,850	2,365	29,583	83,470	4,097	53,667	145,920	210,806
10	Total.....	bushels..	259,148,531	59,390	780,978	1,621,813	92,139	1,844,891	3,224,312	5,893,374
11	Corn.....	acres.....	2,004,068	924	12,076	3,126	10,056	13,934	67,157	13,934
12	Oats.....	acres.....	2,977,258	30,107	375,378	97,115	10,631	304,470	441,405	2,532,182
13	Wheat.....	acres.....	93,807,717	1,006	9,068	32,274	1,915	13,418	27,200	43,732
14	Wheat.....	bushels..	3,276,911	23,471	278,498	778,353	47,856	492,874	953,054	1,487,907
15	Wheat.....	acres.....	57,004,412	116	1,523	38,857	1,013	17,147	78,764	85,500
16	Wheat.....	bushels..	30,891	23	154	220	1,040	30,175	3,600	12,580
17	Emmer and spelt.....	acres.....	757,339	443	4,373	8,501	602	3,521	23,130	280,765
18	Barley.....	acres.....	1,573,761	141	613	182,060	8,945	96,735	489,512	41,112
19	Barley.....	bushels..	34,927,773	2,468	16,004	51	0	106	41	1,317
20	Buckwheat.....	acres.....	10,309	72	49	530	200	1,176	622	1,687
21	Buckwheat.....	bushels..	144,861	898	5,500	590	55	9,393	1,048	25,806
22	Rye.....	acres.....	266,567	23	77,062	8,153	817	133,688	23,382	
23	Rye.....	bushels..	4,426,028	332						
24	Other grains and seeds:									
25	Dry peas.....	acres.....	835	6	1	1	1	44		
26	Dry peas.....	bushels..	14,964	99	13	14	20	804		
27	Dry edible beans.....	acres.....	4,697	75	294	51	31	73	2	28
28	Dry edible beans.....	bushels..	62,822	1,955	2,620	1,058	596	817	37	559
29	Flaxseed.....	acres.....	358,426		0	4,079	314	817	9,024	8,243
30	Flaxseed.....	bushels..	3,277,238		40	36,590	2,311	7,987	91,648	8,344
31	Hay and forage:									
32	Total.....	acres.....	3,946,072	15,787	30,566	51,767	14,004	31,033	26,953	63,191
33	Total.....	tons.....	6,036,747	22,775	42,905	65,630	19,030	50,266	37,821	120,324
34	All tame or cultivated grasses.....	acres.....	1,815,250	8,371	11,001	22,834	3,601	8,995	13,460	30,564
35	Timothy alone.....	acres.....	2,885,987	9,928	16,542	29,277	4,652	14,256	18,694	58,060
36	Timothy alone.....	tons.....	780,375	1,320	3,339	9,557	477	4,691	12,022	8,906
37	Timothy and clover mixed.....	acres.....	1,101,510	1,616	4,738	11,191	555	6,887	16,284	16,312
38	Timothy and clover mixed.....	tons.....	829,600	6,677	4,379	11,353	2,564	2,556	16,566	18,758
39	Clover alone.....	acres.....	1,433,075	7,821	6,908	14,814	3,240	4,581	957	30,921
40	Clover alone.....	tons.....	57,358	140	1,597	302	95	1,131	10	1,010
41	Alfalfa.....	acres.....	106,334	139	2,812	487	160	1,497	19	2,137
42	Alfalfa.....	tons.....	2,283	2	4	31	0	3	15	10
43	Millet or Hungarian grass.....	acres.....	6,314	7	13	70	2	4	30	21
44	Millet or Hungarian grass.....	tons.....	27,136	34	49	719	87	11	600	60
45	Other tame or cultivated grasses.....	acres.....	50,383	55	110	1,415	130	22	1,048	182
46	Other tame or cultivated grasses.....	tons.....	118,493	198	1,603	922	372	674	257	1,868
47	Wild, salt, or prairie grasses.....	acres.....	188,371	290	1,901	1,300	541	1,205	347	3,401
48	Wild, salt, or prairie grasses.....	tons.....	1,983,664	6,951	18,503	27,524	9,785	21,311	13,001	30,514
49	Grains cut green.....	acres.....	2,714,121	11,795	22,814	32,274	12,663	34,221	17,630	55,309
50	Grains cut green.....	tons.....	10,981	341	126	218	338	23	108	238
51	Coarse forage.....	acres.....	31,060	407	172	321	466	35	123	419
52	Coarse forage.....	tons.....	121,619	111	920	1,132	209	701	384	1,876
53	Coarse forage.....	tons.....	401,614	441	3,435	3,741	1,076	1,733	1,174	5,620
54	Special crops:									
55	Potatoes.....	acres.....	223,692	1,157	10,756	2,101	1,549	1,974	741	1,891
56	Potatoes.....	bushels..	20,802,948	150,769	1,255,880	207,459	212,785	280,974	78,331	213,787
57	All other vegetables.....	acres.....	46,021	469	478	450	571	859	255	899
58	Sugar beets.....	acres.....	2,238		4	8				44
59	Sugar beets.....	tons.....	24,140		31	39				104
60	Maple trees.....	number..	67,225	1,005			7,264	102		207
61	Maple sugar (made).....	pounds..	11,399	675			4,200			68
62	Maple sirup (made).....	gallons..	17,808	345			104	39		76
63	Cane, sorghum.....	acres.....	1,709		6			1		61
64	Cane, sorghum.....	tons.....	13,263		57	5		14		609
65	Sirup (made).....	gallons..	145,934		565	50		103		6,369
66	FRUITS AND NUTS									
67	Orchard fruits:									
68	Total.....	acres.....	1,644,590	2,823	6,137	2,643	826	5,369	7,462	66,268
69	Total.....	bushels..	1,066,659	591	640	1,521	35	2,161	2,229	37,069
70	Apples.....	acres.....	1,380,396	1,543	2,992	1,721	74	4,270	5,534	59,747
71	Apples.....	bushels..	1,044,156	407	552	1,293	11	2,050	2,064	56,054
72	Peaches and nectarines.....	acres.....	1,671	40		20		6		48
73	Peaches and nectarines.....	bushels..	599	17		6				15
74	Plums and prunes.....	acres.....	233,736	1,180	2,784	883	732	923	1,677	5,821
75	Plums and prunes.....	bushels..	19,920	154	80	222	23	96	147	820
76	Cherries.....	acres.....	25,139	60	351	19	20	170	224	604
77	Cherries.....	bushels..	1,626	13	8		1	9		3
78	Grapes.....	vines.....	61,916	77	690	8	20	42	39	2,006
79	Grapes.....	pounds..	293,805	580	105	82	20	250	10	77,796
80	Small fruits:									
81	Total.....	acres.....	3,733	65	81	18	9	27	17	113
82	Total.....	quarts..	4,476,575	41,447	115,857	25,262	8,111	23,138	14,632	93,593
83	Strawberries.....	acres.....	1,873	14	67	10	5	8	8	55
84	Raspberries and loganberries.....	acres.....	2,730,099	12,158	106,523	19,645	2,931	10,693	7,131	56,538
85	Raspberries and loganberries.....	quarts..	1,388	31	10	3	2	13	5	42
86	Raspberries and loganberries.....	quarts..	1,340,460	26,206	7,360	1,978	2,696	11,596	3,953	24,893
87	Nuts.....	acres.....	8,110	30						266
88	Nuts.....	pounds..	81,555	100		100				5,303

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	dollars..	94,934	328	689	1,297	750	575	793	1,653
2	Cash expended.....	dollars..	16,673,777	31,687	107,049	143,121	108,982	60,446	202,401	230,946
3	Rent and board furnished.....	dollars..	5,666,372	9,274	41,843	43,763	39,317	21,230	68,545	83,227
4	Fertilizer.....	dollars..	1,430	6	19	7	12	1	1	9
5	Amount expended.....	dollars..	74,653	172	795	133	981		25	907
6	Feed.....	dollars..	58,551	912	758	869	851	563	336	1,004
7	Amount expended.....	dollars..	5,041,925	64,668	58,114	47,282	85,466	34,629	25,688	94,078
8	Receipts from sale of feedable crops.....	dollars..	19,741,965	6,967	53,336	69,436	10,053	53,391	151,435	211,003

ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Brown.	Carlton.	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clearwater.	Cook.	Cottonwood.	Crow Wing.	Dakota.
1	2,930,658	430,866	2,264,655	342,064	2,797,308	1,544,517	3,816,088	384,947	55,968	2,423,676	499,081	3,177,701
2	2,445,529	30,800	1,571,048	75,489	2,439,232	616,999	2,622,637	146,906	1,390	1,960,152	180,985	2,142,628
3	29,067	832	1,717	15,756	53,986	5,131	112,902	3,940	45	137,317	6,023	43,948
4	330,596	190,293	400,851	94,709	234,114	412,579	447,817	128,655	17,197	249,671	156,679	433,710
5	70,266	104,525	88,846	60,925	47,277	407,986	607,158	39,669	12,169	53,993	88,600	382,403
6	12,788	671	681	39,518	6,762	7,802	3,840	461	89	14,031	7,643	49,432
7	42,412	103,750	162,675	94,504	15,931	94,020	21,634	65,326	25,078	7,612	78,891	75,580
8	161,418	2,255	77,927	7,598	177,699	37,614	235,014	10,964	55	160,934	15,517	158,432
9	4,599,816	56,891	2,479,852	144,237	4,814,206	1,116,799	4,640,573	227,158	2,505	4,464,943	298,756	4,374,589
10	44,738	49	18,601	2,393	35,599	6,060	2,845	171	.....	50,891	5,224	29,042
11	1,750,881	1,419	845,214	64,066	1,147,639	211,416	72,451	5,560	.....	1,737,431	135,263	927,233
12	85,397	1,342	13,409	2,856	59,142	15,788	89,463	4,325	50	62,775	5,950	69,781
13	1,277,400	40,290	580,154	48,873	2,087,318	568,407	2,331,847	114,288	2,335	1,873,850	104,963	2,211,177
14	69,691	372	37,531	618	58,226	13,441	111,607	4,745	3	17,707	2,138	16,496
15	1,143,114	5,127	810,616	7,710	1,077,269	249,600	1,545,224	73,397	75	298,191	25,693	334,230
16	342	36	45	44	96	567	534	36	.....	339	176	209
17	8,996	717	1,173	781	2,407	14,004	14,675	555	.....	19,223	2,526	5,248
18	12,336	369	6,439	595	23,821	1,332	28,933	1,654	2	25,322	621	22,613
19	202,671	7,580	198,814	8,771	509,228	40,304	640,663	32,854	70	490,343	10,217	563,989
20	187	10	14	68	67	4	96	1	.....	70	262	324
21	2,295	135	267	493	1,382	537	1,912	14	25	922	3,153	5,251
22	8,727	77	1,888	548	2,382	2,382	2,026	32	.....	3,330	1,146	19,967
23	164,559	1,623	43,614	13,543	8,963	32,031	33,271	490	.....	45,483	16,941	327,381
24	6	38	7	3	.....	10	5	.....	1	.....	2	4
25	70	453	84	40	.....	132	110	.....	25	.....	23	26
26	54	11	8	53	.....	108	10	.....	.....	5	147	29
27	663	70	98	883	.....	1,708	125	.....	.....	83	1,874	390
28	2,370	.....	42	48	.....	3,903	4	.....	.....	5,119	145	2,279
29	19,512	.....	408	301	.....	34,502	66	.....	.....	69,344	1,926	26,479
30	48,699	16,265	34,824	12,318	43,107	35,658	83,678	18,954	936	58,028	21,181	44,942
31	98,457	20,215	78,401	18,681	66,446	63,620	97,157	23,213	883	82,217	25,878	67,233
32	10,400	13,021	19,776	4,128	13,104	21,462	27,839	5,039	855	22,731	8,687	34,752
33	20,657	15,558	40,934	6,310	20,679	41,363	31,318	6,411	766	31,625	10,558	51,335
34	2,354	3,058	2,456	643	7,889	7,293	20,442	678	56	15,933	1,842	18,683
35	4,263	3,759	5,506	789	11,573	13,359	21,935	609	61	21,536	1,965	25,907
36	6,803	9,436	7,282	2,315	4,005	11,858	3,837	3,701	788	5,202	7,126	13,357
37	13,983	11,230	17,707	3,554	7,023	24,155	4,614	4,895	689	7,504	6,080	20,871
38	100	132	170	298	.....	220	224	.....	.....	388	338	2,269
39	212	129	1,243	1,548	.....	570	1,915	.....	.....	618	467	3,845
40	6	.....	421	3	.....	34	2	.....	.....	114	.....	36
41	22	1	1,592	6	.....	96	4	.....	.....	1	.....	85
42	76	28	96	58	.....	407	39	.....	.....	128	.....	80
43	156	57	224	94	.....	865	84	.....	.....	143	.....	148
44	1,061	367	8,997	249	.....	471	1,254	.....	.....	44	.....	327
45	2,021	382	20,662	369	.....	552	1,820	.....	.....	449	.....	479
46	30,258	2,932	14,742	7,772	.....	27,715	13,068	.....	.....	560	.....	8,140
47	71,440	3,792	20,890	11,364	.....	38,909	20,020	.....	.....	13,531	.....	11,044
48	188	226	106	162	.....	268	91	.....	.....	15,700	.....	373
49	279	358	273	222	.....	494	186	.....	.....	240	.....	100
50	1,853	47	188	227	.....	2,020	422	.....	.....	173	.....	308
51	6,081	201	1,185	618	.....	6,364	2,200	.....	.....	2,290	.....	1,970
52	1,080	1,559	1,188	1,079	.....	967	12,284	.....	.....	9,047	.....	4,591
53	126,438	239,715	145,356	125,267	.....	113,644	1,874,597	.....	.....	594	.....	5,062
54	523	276	729	301	.....	290	422	.....	.....	86,148	.....	629,503
55	.....	.....	555	.....	.....	.....	.....	.....	.....	224	.....	2,116
56	.....	2	6,114	.....	.....	.....	.....	.....	.....	1	.....	151
57	98	.....	5,581	.....	.....	.....	.....	.....	.....	4	.....	1,604
58	.....	.....	100	.....	.....	.....	.....	.....	.....	974	.....	428
59	.....	.....	2,233	.....	.....	.....	.....	.....	.....	928	.....	20
60	.....	.....	231	.....	.....	.....	.....	.....	.....	9	.....	385
61	.....	.....	2,123	.....	.....	.....	.....	.....	.....	1	.....	1
62	6,065	.....	22,391	.....	.....	.....	.....	.....	.....	1	.....	43
63	24,784	678	49,987	546	.....	14,566	8,820	.....	.....	60	.....	41,879
64	15,228	231	38,686	241	.....	4,169	4,957	.....	.....	21	.....	26,438
65	20,891	370	41,907	320	.....	10,049	6,063	.....	.....	30	.....	36,776
66	14,871	200	37,782	183	.....	3,909	4,584	.....	.....	12	.....	25,989
67	22	.....	17	.....	.....	.....	.....	.....	.....	.....	.....	34
68	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	35
69	3,429	287	7,642	207	.....	4,101	2,583	.....	.....	574	.....	4,756
70	228	31	870	49	.....	245	361	.....	.....	100	.....	372
71	410	9	379	17	.....	405	65	.....	.....	150	.....	169
72	124	.....	32	7	.....	14	2	.....	.....	14	.....	15
73	1,160	.....	11,208	24	.....	136	435	.....	.....	8	.....	131
74	8,070	.....	25,137	100	.....	742	1,400	.....	.....	11	.....	1,220
75	15	2	83	6	.....	20	31	.....	.....	4	.....	62
76	11,104	2,781	99,885	2,710	.....	19,108	27,729	.....	.....	3,732	.....	283,456
77	10	1	22	1	.....	16	15	.....	.....	13	.....	122
78	8,322	1,132	23,388	759	.....	10,074	17,592	.....	.....	770	.....	252,716
79	3	.....	42	3	.....	1	11	.....	.....	2	.....	22
80	1,245	198	52,639	1,440	.....	1,029	9,455	.....	.....	1,505	.....	18,271
81	350	.....	29	.....	.....	154	21	.....	.....	.....	.....	195
82	2,830	.....	575	.....	.....	630	200	.....	.....	.....	.....	3,750

AND RECEIPTS, BY COUNTIES: 1909.

1	1,407	487	1,175	228	1,129	1,031	1,436	424	81	980	429	1,490
2	267,471	56,814	177,604	26,087	238,121	145,401	507,923	26,404	3,512	147,666	43,125	284,323
3	104,405	13,910	65,796	6,886	87,657	54,620	149,136	7,662	3,476	55,529	12,801	111,081
4	6	5	1	1	5	12	15	9	4	2	5	87
5	267	88	178	50	146	305	1,473	172	85	56	205	3,491
6	763	895	698	434	420	609	669	517	57	453	695	823
7	65,413	73,154	36,297	39,784	26,687	29,559	81,755	27,381	5,210	43,658	52,403	88,963
8	156,044	9,549	34,429	5,153	404,775	60,539	383,371	10,922	1,030	543,699	23,413	608,059

AGRICULTURE—MINNESOTA.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

		Dodge.	Douglas.	Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.
VALUE OF ALL CROPS										
1	Total.....	dollars.. 1,830,210	2,432,300	3,412,982	3,926,257	3,074,017	3,997,787	2,232,674	4,132,598	1,979,513
2	Cereals.....	dollars.. 1,175,703	1,874,538	2,775,679	2,665,502	2,156,961	2,944,258	1,835,178	1,341,442	1,291,625
3	Other grains and seeds.....	dollars.. 173,979	97,751	24,188	304,237	39,759	196,940	187,087	10,398	27,905
4	Hay and forage.....	dollars.. 363,432	310,268	449,440	659,683	603,961	618,554	198,881	833,914	420,089
5	Vegetables.....	dollars.. 56,298	65,971	80,674	101,509	93,545	100,287	23,424	1,237,191	76,067
6	Fruits and nuts.....	dollars.. 15,799	10,250	32,360	45,041	32,796	39,210	2,400	220,574	27,261
7	All other crops.....	dollars.. 44,999	73,522	50,641	150,225	146,995	98,538	5,104	489,079	130,666
SELECTED CROPS (acres and quantity)										
8	Cereals:									
9	Total.....	acres.. 90,532	114,867	198,309	192,890	155,167	207,227	136,935	68,581	87,239
10	Corn.....	bushels.. 2,291,293	2,826,451	5,274,642	5,665,286	3,942,389	5,462,783	3,322,737	2,321,310	2,708,198
11	Oats.....	acres.. 23,214	8,927	66,798	57,507	51,385	27,267	9,386	23,782	30,816
12	Wheat.....	bushels.. 742,211	308,805	2,481,412	1,913,779	1,761,670	951,862	272,798	995,159	1,215,663
13	Emmer and spelt.....	acres.. 25,114	23,385	47,105	70,775	45,274	49,044	47,593	20,948	29,748
14	Barley.....	bushels.. 643,343	820,913	1,390,702	2,198,157	1,093,453	1,678,348	1,542,710	757,434	349,657
15	Buckwheat.....	acres.. 9,683	63,643	73,274	9,264	41,870	33,003	54,207	17,560	3,545
16	Rye.....	bushels.. 175,229	1,208,710	1,170,259	159,515	739,156	639,250	923,778	399,733	65,500
17	Dry peas.....	acres.. 641	108	354	1,418	125	312	263	148	158
18	Dry edible beans.....	bushels.. 16,799	3,165	0,021	28,913	3,546	8,388	5,635	4,768	3,698
19	Flaxseed.....	acres.. 31,084	15,609	10,379	53,171	16,065	80,924	25,232	4,284	22,555
20	Buckwheat.....	bushels.. 702,627	413,063	217,206	1,352,663	335,050	1,889,142	573,654	129,278	560,612
21	Rye.....	acres.. 468	43	211	273	216	129	.....	.....	113
22	Rye.....	bushels.. 5,344	594	3,638	4,053	5,504	1,804	.....	.....	1,817
23	Rye.....	acres.. 328	3,148	188	482	232	16,546	254	1,866	304
24	Rye.....	bushels.. 5,740	70,998	2,404	7,606	4,010	293,889	4,166	24,938	5,351
Other grains and seeds:										
25	Dry peas.....	acres.. 2	3	.....	10	.....	3	.....	5	100
26	Dry peas.....	bushels.. 30	38	2	100	16	17	.....	146	1,384
27	Dry edible beans.....	acres.. 17	24	10	18	19	26	1	32	14
28	Flaxseed.....	bushels.. 384	363	144	251	290	524	29	663	338
29	Flaxseed.....	acres.. 8,456	4,859	1,366	5,528	2,165	8,148	8,950	6	473
30	Flaxseed.....	bushels.. 89,524	54,013	12,262	61,103	20,462	106,282	88,949	45	4,984
Hay and forage:										
31	Total.....	acres.. 45,386	56,170	73,608	63,141	85,825	57,866	43,545	62,304	38,708
32	All tame or cultivated grasses.....	tons.. 77,089	85,972	121,141	119,711	158,794	117,488	56,513	124,811	67,052
33	Timothy alone.....	acres.. 37,074	23,289	30,224	58,239	40,501	50,089	17,582	32,778	36,946
34	Timothy alone.....	tons.. 62,826	38,775	62,509	109,257	76,345	100,403	23,991	61,186	65,514
35	Timothy and clover mixed.....	acres.. 10,916	10,832	11,279	12,293	11,471	14,177	14,343	18,423	7,659
36	Timothy and clover mixed.....	tons.. 17,712	15,792	17,796	21,147	21,178	26,171	18,600	32,092	12,554
37	Clover alone.....	acres.. 21,728	10,438	15,346	42,437	22,346	32,042	1,498	9,478	28,612
38	Clover alone.....	tons.. 38,100	19,421	28,213	81,986	43,409	65,989	2,340	19,536	49,676
39	Alfalfa.....	acres.. 983	552	565	1,732	594	2,988	11	1,923	601
40	Alfalfa.....	tons.. 1,979	1,045	1,049	3,732	1,485	6,591	15	3,757	1,083
41	Millet or Hungarian grass.....	acres.. 2	25	12	6	2	28	28	218	9
42	Millet or Hungarian grass.....	tons.. 7	35	25	20	6	87	73	590	33
43	Other tame or cultivated grasses.....	acres.. 78	376	122	88	175	118	1,305	433	34
44	Other tame or cultivated grasses.....	tons.. 147	788	282	183	287	266	2,499	930	74
45	Wild, salt, or prairie grasses.....	acres.. 3,367	1,066	2,900	1,683	5,913	736	397	2,303	131
46	Wild, salt, or prairie grasses.....	tons.. 4,831	1,694	5,144	2,189	9,980	1,299	464	4,272	194
47	Grains cut green.....	acres.. 5,849	31,822	40,325	2,179	40,089	5,585	24,601	26,005	1,310
48	Grains cut green.....	tons.. 8,079	43,831	59,235	3,389	64,690	8,627	28,738	45,521	2,303
49	Coarse forage.....	acres.. 12	61	107	10	181	108	270	504	24
50	Coarse forage.....	tons.. 17	60	314	13	350	647	314	817	36
51	Coarse forage.....	acres.. 2,435	998	2,952	2,713	5,038	2,104	1,092	3,002	428
52	Coarse forage.....	tons.. 6,163	3,297	9,083	7,052	17,425	7,807	3,470	17,210	1,199
Special crops:										
53	Potatoes.....	acres.. 766	1,532	1,319	1,549	2,032	1,480	558	17,471	1,349
54	All other vegetables.....	bushels.. 79,181	178,466	140,483	172,405	198,865	165,728	58,305	2,438,132	172,090
55	Sugar beets.....	acres.. 406	326	532	652	1,369	644	324	3,850	306
56	Sugar beets.....	tons.. 22	.....	.....	22	42	63	.....	13	36
57	Maple trees.....	acres.. 175	.....	.....	197	490	649	.....	105	242
58	Maple sugar (made).....	number.. 45	312	136	.....	.....	22	.....	13,115	.....
59	Maple sirup (made).....	pounds.. 14	53	31	.....	.....	4	.....	1,527	.....
60	Cane, sorghum.....	acres.. 4	24	25	20	7	33	.....	3,590	.....
61	Sirup (made).....	tons.. 4	202	207	71	52	323	.....	79	5
62	Sirup (made).....	gallons.. 40	2,351	2,036	701	241	2,121	.....	635	27
FRUITS AND NUTS										
63	Total.....	trees.. 18,348	12,157	50,089	84,313	57,185	49,102	4,524	115,998	42,999
64	Apples.....	bushels.. 15,983	6,487	56,646	66,646	39,110	44,080	980	58,734	33,713
65	Apples.....	trees.. 16,856	10,192	44,592	80,743	51,822	46,007	3,273	96,713	40,714
66	Peaches and nectarines.....	bushels.. 15,805	6,372	44,190	56,353	38,877	43,658	901	56,598	33,295
67	Peaches and nectarines.....	trees.. 45	96	.....	20	95	15	.....	334	13
68	Plums and prunes.....	bushels.. 47	4	.....	.....	10	15	.....	315	2
69	Cherries.....	trees.. 1,314	1,445	4,820	3,241	4,730	2,893	1,028	17,899	1,629
70	Cherries.....	bushels.. 97	75	175	291	211	345	23	1,717	373
71	Cherries.....	trees.. 82	424	537	279	336	170	211	994	618
72	Grapes.....	bushels.. 34	36	4	1	12	2	.....	104	42
73	Grapes.....	vines.. 70	185	451	270	469	2,107	36	11,442	7,507
74	Small fruits.....	pounds.. 1,100	800	1,223	817	1,376	4,978	20	62,310	18,619
75	Total.....	acres.. 19	28	28	68	42	109	9	991	54
76	Strawberries.....	quarts.. 40,446	25,232	30,343	34,354	57,997	136,731	7,865	1,337,196	65,385
77	Raspberries and loganberries.....	acres.. 12	17	24	40	28	83	7	285	24
78	Raspberries and loganberries.....	quarts.. 32,129	20,441	27,390	65,647	46,242	113,845	5,922	584,259	37,629
79	Nuts.....	acres.. 5	8	2	18	10	18	1	604	20
80	Nuts.....	quarts.. 5,854	3,003	1,382	17,148	8,180	17,511	1,120	640,742	22,038
81	Nuts.....	trees.. 5	27	256	106	74	95	.....	1	299
82	Nuts.....	pounds.. 50	540	7,575	4,350	700	1,400	.....	250	9,695

TABLE 5.—SELECTED FARM EXPENSES

		Dodge.	Douglas.	Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.
1	Labor.....	Farms reporting.....	900	1,470	1,309	1,003	1,503	2,409	883	2,288
2	Cash expended.....	dollars.. 151,740	193,992	221,139	316,204	242,089	483,748	167,224	522,493	164,707
3	Rent and board furnished.....	dollars.. 46,558	69,673	80,235	106,597	96,339	180,154	58,688	169,162	50,225
4	Fertilizer.....	Farms reporting.....	7	4	1	18	9	5	225	15
5	Amount expended.....	dollars.. 256	146	500	874	500	84	5	225	15
6	Feed.....	Farms reporting.....	493	634	851	907	1,189	612	21,026	869
7	Amount expended.....	dollars.. 45,912	24,452	97,584	79,755	114,596	79,347	309	1,883	543
8	Receipts from sale of feedable crops.....	dollars.. 265,408	81,408	194,329	591,952	132,774	681,197	290,283	389,945	30,577

AGRICULTURE—MINNESOTA.

AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Hubbard.	Isanti.	Itasca.	Jackson.	Kanabec.	Kandiyohi.	Kittson.	Koochi-ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.
1	462,521	1,366,587	299,380	2,750,726	447,255	3,410,101	2,374,095	227,177	4,150,755	47,187	2,473,797	1,830,475	2,591,653
2	171,961	521,758	11,996	2,163,845	96,036	2,755,099	2,043,887	3,371	3,583,249	323	2,004,730	1,333,054	2,132,612
3	9,417	35,521	584	92,197	1,891	133,508	91,269	25	200,372	.....	3,944	194,437	90,961
4	116,760	207,647	72,304	392,087	197,218	401,612	179,805	36,509	278,300	18,742	248,044	260,027	279,240
5	89,302	518,608	95,695	73,214	112,007	62,060	41,007	39,994	66,569	15,659	69,026	37,860	59,925
6	1,029	4,278	397	19,574	1,754	17,492	727	416	10,276	9	17,761	2,967	7,606
7	74,052	77,775	118,404	9,809	38,349	39,730	17,400	140,362	11,989	12,454	130,292	2,130	21,300
8	20,945	37,545	727	177,141	6,948	180,725	171,173	205	259,547	15	111,439	116,224	183,131
9	329,564	1,000,352	20,184	5,117,436	195,453	4,842,267	3,079,097	5,983	6,439,166	539	3,076,483	2,755,770	4,803,364
10	4,014	7,568	88	60,636	1,226	30,730	1,435	3	45,833	.....	32,047	19,211	52,656
11	103,044	217,530	3,617	2,303,976	40,129	900,407	30,118	55	1,480,031	.....	1,253,738	523,670	1,553,976
12	10,377	15,249	515	74,229	3,499	48,237	36,936	162	61,052	7	10,891	28,307	67,207
13	150,076	527,932	14,159	2,149,869	113,598	1,771,599	1,029,360	5,050	2,187,058	310	427,419	958,043	2,188,449
14	3,115	9,839	69	6,157	1,527	69,216	95,621	15	104,421	5	63,317	29,046	20,912
15	28,657	176,808	1,289	104,843	26,734	1,409,545	1,332,845	345	1,725,859	113	1,242,597	467,079	334,708
16	8	274	7	259	33	510	41	.....	791	.....	162	2,671	1,129
17	144	7,014	104	7,380	690	14,061	697	.....	19,596	.....	5,948	59,775	25,013
18	292	453	43	27,927	508	31,011	35,109	25	43,895	1	4,762	34,145	36,604
19	4,558	11,752	923	524,567	11,589	729,589	636,120	533	966,108	16	132,029	709,969	640,371
20	67	38	1	28	11	63	90	.....	64	.....	24	294	30
21	964	438	42	253	169	1,238	1,122	.....	880	.....	185	3,166	313
22	3,032	4,924	4	1,905	144	958	1,941	.....	3,491	.....	736	2,490	4,593
23	39,121	60,328	50	26,548	2,547	15,828	19,835	.....	59,634	.....	15,167	33,468	62,534
24	1	1	7	.....	4	.....	.....	1	.....	.....	.....	.....	1
25	12	13	135	.....	51	35	.....	19	.....	.....	2	.....	35
26	135	1,448	8	.....	21	17	.....	.....	20	.....	.....	5	6
27	1,560	16,230	149	.....	83	452	68	.....	325	.....	472	70	85
28	.....	14	.....	5,788	62	8,248	7,552	.....	12,578	.....	2	6,837	4,855
29	.....	93	.....	49,399	631	86,627	61,537	.....	128,913	.....	28	63,738	41,517
30	15,198	32,131	5,424	66,795	19,004	84,650	44,716	2,449	44,184	1,183	32,136	40,194	44,041
31	15,035	47,457	7,714	101,975	28,868	116,130	46,717	3,368	74,683	1,437	67,571	72,594	70,387
32	10,405	11,699	2,389	32,896	12,369	19,874	16,709	1,825	17,293	2,038	13,082	17,792	19,010
33	8,501	18,002	3,256	48,787	19,445	29,094	16,151	2,354	32,159	1,289	31,353	32,203	31,439
34	2,654	3,012	404	21,204	3,815	10,840	8,611	598	8,720	313	3,203	13,669	13,454
35	1,806	3,908	466	29,727	6,229	14,500	8,368	740	16,318	473	7,748	24,000	20,521
36	7,551	6,348	1,867	9,657	7,345	6,684	6,208	1,184	5,494	715	5,548	3,525	4,919
37	6,298	10,455	2,559	16,263	11,679	11,385	6,102	1,532	10,195	805	13,525	6,995	8,700
38	182	1,542	37	173	142	201	179	14	105	10	929	1	181
39	196	2,355	68	313	280	235	179	20	202	10	2,174	55	304
40	8	.....	2	9	.....	19	10	.....	48	.....	63	152	38
41	7	.....	5	26	.....	19	20	.....	6	.....	64	324	326
42	67	23	14	82	15	255	308	6	1,316	.....	140	666	634
43	95	34	35	127	40	424	542	13	2,642	1	3,245	210	710
44	143	774	65	1,770	1,052	1,901	371	23	1,639	.....	7,560	379	1,242
45	180	1,160	123	2,331	1,217	2,531	440	49	2,784	.....	18,799	18,728	22,021
46	3,556	20,069	2,758	31,836	6,385	61,927	27,734	589	24,694	122	35,664	28,538	32,997
47	4,238	27,695	3,755	46,386	8,644	80,684	27,881	940	36,957	106	99	110	1,000
48	200	82	120	280	127	53	805	31	108	20	187	108	2,338
49	196	98	192	452	204	101	1,075	41	220	28	153	3,559	1,410
50	822	273	154	1,783	101	2,796	468	.....	2,089	3	319	11,420	3,613
51	1,067	1,525	434	6,350	508	6,251	1,601	4	5,347	14	.....	.....	.....
52	1,927	16,798	1,080	1,172	2,652	1,376	608	303	1,464	157	1,128	923	980
53	224,317	2,150,573	157,352	125,161	394,169	133,838	85,689	45,145	159,504	21,171	117,476	86,655	88,037
54	404	323	321	488	239	282	212	184	275	51	505	186	376
55	.....	.....	.....	.....	1	1	.....	.....	.....	.....	481	.....	.....
56	2	4	2	.....	17	10	.....	.....	.....	.....	5,952	.....	.....
57	.....	156	1,757	.....	.....	.....	.....	.....	.....	425	8,322	.....	.....
58	.....	35	193	.....	.....	.....	.....	.....	.....	50	3,290	.....	.....
59	.....	12	.....	.....	9	4	.....	.....	.....	.....	110	.....	.....
60	1	86	.....	.....	33	26	.....	.....	.....	.....	718	.....	.....
61	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,643	.....	.....
62	160	1,028	.....	.....	421	232	.....	.....	.....	.....	.....	.....	.....
63	1,021	7,640	131	35,673	2,040	24,671	720	16	22,737	.....	34,228	9,926	15,234
64	109	2,005	26	25,803	545	14,287	80	1	6,550	.....	28,775	2,465	5,733
65	123	4,469	42	26,241	1,492	21,641	207	13	17,755	.....	29,918	8,344	12,140
66	27	1,911	16	25,610	471	13,915	20	1	6,383	.....	26,367	2,490	5,619
67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75	.....	26
68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69	861	2,389	82	8,611	383	2,377	469	.....	4,517	.....	3,804	1,907	2,608
70	79	82	9	176	66	306	56	.....	163	.....	373	63	94
71	32	252	7	762	164	648	44	3	444	.....	389	275	448
72	2	12	1	12	7	54	4	.....	4	.....	34	12	20
73	36	107	.....	377	35	160	.....	.....	240	.....	650	78	141
74	140	385	.....	920	50	809	.....	.....	2,260	.....	2,207	43	372
75	8	27	2	19	11	39	5	2	26	.....	12	8	21
76	6,798	19,626	2,754	11,195	8,640	33,477	4,034	2,008	28,359	145	11,093	10,266	16,823
77	4	18	2	12	9	30	.....	.....	22	.....	6	8	16
78	2,927	12,072	1,635	8,566	6,644	27,393	223	1,750	25,176	.....	5,719	9,296	13,623
79	3	6	.....	3	.....	7	.....	.....	4	.....	3	.....	1
80	2,533	5,173	435	843	215	4,396	857	108	2,437	145	3,637	412	477
81	.....	.....	.....	40	.....	20	.....	.....	70	.....	238	.....	54
82	.....	100	.....	.....	.....	100	.....	.....	.....	.....	3,415	.....	30

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	333	1,089	366	839	270	1,834	919	170	1,694	57	1,165	991	1,189
2	39,193	111,935	46,928	127,655	23,840	331,424	352,911	29,309	396,966	7,514	136,971	166,935	212,841
3	7,977	45,564	18,842	43,033	8,508	120,086	97,421	11,235	157,876	1,392	37,762	54,301	71,258
4	3	22	6	4	.....	29	59	1	79	15	95	5	1
5	77	700	142	273	25	580	6,177	2	4,165	264	938	417	50
6	475	902	518	393	325	776	543	158	653	122	483	487	510
7	49,769	37,632	61,516	40,849	19,993	42,359	31,167	15,277	36,875	16,737	29,230	37,691	45,035
8	18,648	19,101	4,670	594,349	33,316	313,884	165,439	1,138	509,627	1,898	33,168	282,342	630,257

AGRICULTURE—MINNESOTA.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

		McLeod.	Mahno- men.	Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.	Murray.
VALUE OF ALL CROPS										
1	Total.....dollars..	2,894,083	145,035	2,986,783	3,155,826	3,310,451	680,497	1,901,837	3,231,403	2,297,548
2	Cereals.....dollars..	2,382,431	94,707	2,313,218	2,504,379	2,731,476	178,259	1,250,520	2,146,010	1,760,449
3	Other grains and seeds.....dollars..	33,951	13,248	230,560	25,918	70,401	4,300	51,754	320,717	147,930
4	Hay and forage.....dollars..	329,146	23,793	328,798	458,496	351,107	251,558	335,251	526,517	309,552
5	Vegetables.....dollars..	67,102	8,884	72,664	88,679	68,656	184,745	149,043	114,895	69,949
6	Fruits and nuts.....dollars..	13,787	9	1,372	36,757	19,531	3,125	4,937	18,442	6,702
7	All other crops.....dollars..	67,666	4,994	40,171	41,599	63,280	58,507	109,757	104,822	2,878
SELECTED CROPS (acres and quantity)										
Cereals:										
8	Total.....acres.....	122,756	9,453	188,539	196,727	152,729	10,535	95,602	174,164	168,554
9	.....bushels..	3,558,785	159,707	3,625,207	6,284,407	4,167,068	349,540	2,059,474	5,002,794	4,168,544
10	Corn.....acres.....	24,024	100	79,370	79,370	23,991	2,659	16,036	41,636	53,820
11	.....bushels..	937,430	3,003	19,423	2,936,289	841,327	89,661	467,967	1,237,543	1,510,531
12	Oats.....acres.....	18,798	3,514	47,589	105,977	26,155	3,993	100,739	100,739	62,511
13	.....bushels..	709,011	78,890	1,280,787	3,155,585	1,040,683	104,704	694,529	3,020,317	1,809,650
14	Wheat.....acres.....	65,102	4,127	96,561	5,629	74,397	2,427	40,637	6,377	5,965
15	.....bushels..	1,416,200	52,664	1,437,876	83,631	1,583,854	53,533	616,640	115,411	92,425
16	Emmer and spelt.....acres.....	171	16	146	24	405	52	171	320	1,413
17	.....bushels..	5,955	300	2,395	662	11,169	1,837	4,002	7,585	30,488
18	Barley.....acres.....	11,662	1,597	41,501	5,105	20,571	1,097	3,631	23,505	40,224
19	.....bushels..	333,716	23,830	856,862	99,193	547,188	33,771	88,933	552,293	660,400
20	Buckwheat.....acres.....	58	4	20	228	12	12	425	1,333	142
21	.....bushels..	1,298	25	300	3,510	395	128	3,993	16,220	2,055
22	Rye.....acres.....	2,926	95	1,869	394	7,188	290	11,507	6,130	4,539
23	.....bushels..	64,725	995	27,624	5,537	142,377	5,846	183,350	3,025	62,995
Other grains and seeds:										
24	Dry peas.....acres.....	7	2	4	.....	3	10	10	2	.....
25	.....bushels..	7	2	37	.....	20	168	192	34	.....
26	Dry edible beans.....acres.....	7	2	52	6	18	30	61	19	9
27	.....bushels..	78	16	498	104	335	686	1,350	166	100
28	Flaxseed.....acres.....	1,698	1,225	17,009	1,808	4,149	67	1,594	14,798	6,889
29	.....bushels..	20,918	9,014	141,744	14,015	47,945	496	13,310	165,871	54,988
Hay and forage:										
30	Total.....acres.....	53,122	5,719	83,087	68,709	58,798	24,209	53,489	69,682	60,463
31	.....tons.....	87,477	5,217	83,239	114,742	101,693	44,025	78,945	113,570	86,856
32	All tame or cultivated grasses.....acres.....	17,786	467	24,311	30,695	18,648	15,580	21,714	57,182	32,195
33	.....tons.....	33,458	547	25,327	49,846	34,223	28,784	31,746	91,891	44,654
34	Timothy alone.....acres.....	2,704	290	15,887	12,198	6,001	5,208	7,117	21,985	24,519
35	.....tons.....	5,341	238	14,969	19,088	10,046	9,189	9,157	33,545	33,404
36	Timothy and clover mixed.....acres.....	6,515	70	5,052	15,234	10,421	9,277	9,855	31,806	6,451
37	.....tons.....	13,222	100	6,064	25,841	19,868	17,780	16,187	53,057	9,676
38	Clover alone.....acres.....	276	.....	457	.....	616	469	3,257	968	107
39	.....tons.....	542	.....	638	733	1,462	827	4,419	1,910	170
40	Alfalfa.....acres.....	5	.....	18	.....	14	.....	.....	8	27
41	.....tons.....	20	.....	34	34	57	.....	.....	20	52
42	Millet or Hungarian grass.....acres.....	80	12	1,148	138	76	66	47	83	88
43	.....tons.....	178	34	1,011	244	192	133	105	135	139
44	Other tame or cultivated grasses.....acres.....	8,113	95	1,749	2,060	1,520	480	1,438	2,332	1,003
45	.....tons.....	14,146	175	1,711	3,905	2,598	855	1,878	3,224	1,213
46	Wild, salt, or prairie grasses.....acres.....	34,356	5,187	57,202	32,382	37,459	8,224	31,240	7,575	25,303
47	.....tons.....	51,192	4,098	54,154	49,541	58,252	12,904	45,677	9,582	33,318
48	Grains cut green.....acres.....	226	62	783	131	259	72	202	55	79
49	.....tons.....	564	54	836	227	337	128	344	80	111
50	Coarse forage.....acres.....	762	3	992	5,501	2,430	324	323	4,848	2,836
51	.....tons.....	2,243	8	2,873	15,125	8,832	2,067	1,156	12,000	8,773
Special crops:										
52	Potatoes.....acres.....	1,160	161	1,074	1,496	1,222	3,860	3,861	2,519	1,279
53	.....bushels..	136,473	17,589	158,864	175,074	146,016	570,482	461,863	231,523	108,859
54	All other vegetables.....acres.....	536	49	398	495	499	206	659	646	370
55	Sugar beets.....acres.....	84	.....	1	.....	27	.....	3	41	.....
56	.....tons.....	784	.....	8	.....	337	.....	2	283	.....
57	Maple trees.....number.....	2,384	.....	.....	21	10	1,581	610	.....	.....
58	Maple sugar (made).....pounds.....	1,636	.....	.....	.....	.....	175	140	.....	.....
59	Maple sirup (made).....gallons.....	469	.....	.....	.....	.....	354	168	.....	.....
60	Cane, sorghum.....acres.....	114	.....	.....	20	80	.....	.....	.....	.....
61	.....tons.....	698	.....	.....	115	718	.....	73	.....	.....
62	Sirup (made).....gallons.....	7,712	.....	.....	1,735	7,581	.....	827	.....	.....
FRUITS AND NUTS										
Orchard fruits:										
63	Total.....trees.....	22,979	.....	1,051	50,636	23,361	4,745	6,936	21,317	15,825
64	.....bushels..	15,203	.....	400	49,691	17,983	2,017	1,783	17,303	5,585
65	Apples.....trees.....	21,148	.....	280	44,170	21,038	4,018	4,128	27,451	10,608
66	.....bushels..	14,997	.....	258	49,415	17,735	1,900	1,504	16,941	5,606
67	Peaches and nectarines.....trees.....	14	.....	1	.....	.....	.....	.....	6	.....
68	.....bushels..	.....	.....	.....	.....	.....	.....	.....	.....	.....
69	Plums and prunes.....trees.....	1,625	.....	713	4,527	2,098	550	2,449	5,659	4,611
70	.....bushels..	198	.....	135	144	237	81	247	359	75
71	Cherries.....trees.....	181	.....	67	1,740	201	161	356	204	381
72	.....bushels..	8	.....	7	88	11	16	31	3	2
73	Grapes.....vines.....	1,233	.....	8	2,655	650	22	27	33	71
74	.....pounds..	7,342	.....	.....	6,668	2,159	45	32	77	490
Small fruits:										
75	Total.....acres.....	22	.....	7	56	37	8	21	23	16
76	.....quarts..	20,240	30	5,147	69,506	32,830	7,297	21,704	36,426	19,092
77	Strawberries.....acres.....	14	.....	3	48	21	4	9	19	10
78	.....quarts..	14,162	.....	1,469	61,795	21,135	4,285	12,851	32,437	6,797
79	Raspberries and loganberries.....acres.....	6	.....	2	6	12	3	8	3	1
80	.....quarts..	4,131	.....	1,732	5,434	9,048	2,170	6,393	2,351	460
81	Nuts.....trees.....	33	.....	.....	883	12	.....	.....	331	123
82	.....pounds..	836	.....	.....	6,970	575	.....	.....	1,481	275

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....Farms reporting.....dollars..	1,477	103	1,378	1,094	1,670	434	1,066	1,419	941
2	.....Cash expended.....dollars..	197,364	11,845	355,368	182,639	270,936	35,431	99,181	230,407	151,005
3	.....Rent and board furnished.....dollars..	63,154	3,800	106,176	56,363	112,943	10,511	29,108	77,090	55,428
4	Fertilizer.....Farms reporting.....dollars..	2	2	8	8	8	8	17	11	5
5	.....Amount expended.....dollars..	62	175	575	188	566	168	149	517	132
6	Feed.....Farms reporting.....dollars..	621	93	977	659	704	697	943	898	458
7	.....Amount expended.....dollars..	32,235	7,856	59,286	78,431	40,352	38,745	42,378	102,501	59,465
8	Receipts from sale of feedable crops.....dollars..	40,453	4,626	221,680	725,828	126,872	29,069	53,232	637,637	563,703

AGRICULTURE—MINNESOTA.

AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Nicollet.	Nobles.	Norman.	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake.	Redwood.	Renville.
1	2,349,362	2,788,111	2,535,542	2,994,191	5,594,241	923,136	848,136	1,782,497	5,570,593	2,631,079	1,072,780	574,363	3,745,360	5,370,879
2	1,951,641	2,149,629	2,013,945	2,099,379	4,144,008	548,253	189,951	1,397,123	4,216,361	2,079,901	197,577	363,671	3,258,279	4,780,376
3	10,597	85,392	149,889	172,437	193,593	100,726	5,047	65,914	331,471	195,565	2,323	79,828	91,567	118,823
4	264,330	436,346	274,104	495,623	776,998	208,626	362,443	238,190	670,551	292,491	254,970	94,537	295,639	349,488
5	60,216	93,096	59,918	115,557	238,214	41,791	158,461	58,787	212,060	38,283	383,896	24,023	78,080	79,756
6	14,639	18,312	3,043	29,894	15,336	817	4,042	2,024	5,355	6,589	23,825	119	12,897	16,865
7	48,039	5,336	37,643	81,301	226,092	22,923	126,192	459	134,195	18,260	210,189	12,180	8,898	25,071
8	114,570	196,860	170,736	164,390	327,308	45,493	14,532	135,128	326,089	139,954	11,640	32,539	235,818	284,827
9	3,252,347	5,244,435	3,370,896	4,219,103	6,643,200	890,470	365,316	3,251,512	6,796,220	3,449,918	405,039	705,181	6,658,951	8,131,078
10	28,790	75,190	2,259	43,120	30,933	168	3,037	34,039	2,903	11,504	3,182	614	66,313	60,393
11	1,148,333	2,191,650	63,947	1,230,593	986,681	5,815	86,671	917,431	96,890	325,999	119,596	20,799	2,397,090	2,124,394
12	20,227	89,972	52,000	47,792	83,328	16,033	6,567	47,695	96,774	43,227	6,405	16,473	68,066	60,600
13	782,822	2,537,176	1,338,434	1,414,011	2,142,813	421,078	195,052	1,354,742	2,747,228	1,490,207	237,835	422,848	2,419,592	2,319,684
14	56,227	1,188	80,758	7,429	166,023	21,803	3,551	7,481	164,229	68,491	37,635	10,279	72,339	124,802
15	1,086,536	18,397	1,213,075	137,041	2,436,207	331,193	58,751	113,990	2,621,256	1,220,437	14,377	165,942	1,193,159	2,758,325
16	163	440	830	1,412	483	227	100	2,679	715	478	83	39	239	151
17	4,009	9,913	23,129	39,101	10,140	4,957	2,279	59,885	17,498	12,781	2,596	1,035	6,549	4,010
18	7,060	29,719	31,751	63,428	31,122	6,396	740	42,707	53,268	15,668	6,008	4,269	21,131	30,586
19	188,333	483,145	683,949	1,379,796	717,080	115,024	16,218	797,416	1,173,579	379,889	18,323	82,563	419,775	894,210
20	78	52	14	247	299	44	40	110	483	53	6	307	71	151
21	1,257	432	130	3,744	4,126	811	434	1,849	6,030	950	66	3,930	858	2,695
22	2,025	299	2,824	962	15,070	820	497	7,707	7,707	1,165	721	543	7,009	3,031
23	41,057	3,722	47,732	14,817	246,163	-11,492	5,961	6,399	133,439	19,655	12,246	8,051	122,021	57,848
24	18	.....	8	22	84	.....	38	.....	11	.....	44	.....	4	4
25	510	.....	25	513	1,573	1	645	.....	232	.....	681	.....	35	80
26	19	6	25	6	258	16	57	.....	158	12	32	2	38	8
27	478	95	224	138	3,946	80	1,321	4	2,705	101	367	63	396	174
28	504	6,714	12,456	3,118	9,123	8	98	3,878	24,500	11,405	17	6,014	6,580	8,461
29	5,272	46,604	87,885	37,377	92,419	57,885	918	30,872	198,503	116,013	239	51,942	56,481	80,541
30	46,890	70,081	66,985	48,284	133,137	57,494	31,022	36,830	142,460	60,576	14,844	21,427	58,963	80,945
31	75,334	87,645	68,789	96,379	187,095	57,298	48,046	53,621	142,284	63,685	29,828	19,700	99,539	127,692
32	9,083	44,850	26,001	40,105	71,363	9,722	26,670	62,864	23,078	9,679	9,256	19,079	18,358	18,358
33	17,610	56,284	27,491	77,591	97,424	10,185	32,053	39,410	61,328	33,219	16,175	7,942	31,819	33,400
34	3,667	27,951	16,603	9,742	25,371	5,989	2,548	12,004	35,393	16,132	6,343	7,907	10,374	8,247
35	6,370	33,766	15,406	16,701	28,580	4,652	3,876	16,319	27,281	21,511	10,083	6,351	16,404	15,748
36	4,471	15,152	6,923	28,371	40,515	3,839	16,572	13,307	17,960	5,060	2,754	975	7,015	5,957
37	9,481	20,198	8,612	56,958	59,250	4,612	26,409	20,831	20,030	8,636	5,044	1,162	12,575	11,289
38	195	456	135	1,542	1,422	122	384	524	436	116	261	105	706	796
39	530	717	271	3,217	2,368	169	722	932	619	227	569	158	1,101	1,503
40	49	7	80	22	53	11	10	12	45	2	23	.....	5	55
41	179	13	235	48	93	23	16	19	103	6	47	.....	11	170
42	59	128	1,077	62	2,125	57	69	895	6,194	196	38	17	155	381
43	109	196	1,857	100	4,390	103	140	733	10,531	427	94	37	303	797
44	642	1,166	1,833	306	1,877	604	581	428	2,836	1,572	260	252	824	2,922
45	941	1,404	1,111	567	2,743	626	890	576	2,764	4,338	234	1,425	3,393	3,393
46	36,068	24,610	38,546	3,500	56,759	47,269	10,138	8,034	72,488	35,884	4,152	11,903	36,599	59,794
47	54,967	20,809	32,152	5,478	73,012	45,099	13,356	10,585	56,335	46,050	5,552	10,751	59,116	87,890
48	117	133	820	25	456	145	269	39	2,810	120	52	59	609	1,021
49	205	132	1,139	51	670	183	375	80	3,564	161	74	67	1,030	1,314
50	722	488	1,611	4,654	4,558	350	403	1,187	4,786	1,494	950	209	2,676	1,772
51	2,546	1,420	5,951	13,256	15,973	1,765	2,011	3,546	20,967	4,265	7,917	940	7,574	5,090
52	868	1,870	1,353	1,797	6,195	627	3,005	887	3,900	1,120	3,931	436	1,608	1,782
53	97,739	180,460	147,632	164,919	728,975	74,933	468,834	69,541	524,374	108,714	497,939	65,035	182,010	177,492
54	347	537	254	627	1,192	280	670	348	952	111	1,044	115	423	708
55	3	.....	23	.....	.....	.....	2	.....	3	.....	.....	.....	.....	30
56	40	.....	318	.....	.....	.....	18	.....	25	.....	.....	.....	.....	185
57	305	.....	30	.....	888	.....	27	.....	.....	.....	.....	.....	.....	.....
58	.....	.....	40	.....	.....	.....	11	.....	.....	.....	.....	.....	.....	.....
59	52	.....	15	214	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	94	1	.....	11	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
61	854	2	.....	85	.....	.....	13	.....	3	.....	.....	.....	281	180
62	12,033	20	.....	40	745	.....	292	.....	32	.....	.....	.....	3,478	2,811
63	30,513	31,419	2,955	46,408	13,328	438	4,054	3,518	2,964	8,028	13,002	116	23,971	27,446
64	20,349	19,959	37,639	5,499	164,919	728,975	74,933	468,834	69,541	524,374	108,714	497,939	65,035	182,010
65	26,259	21,606	1,746	44,736	9,225	260	2,679	1,946	1,600	7,416	6,631	55	17,766	20,313
66	20,226	19,173	816	37,395	5,135	81	1,583	1,407	839	4,079	2,791	25	6,827	11,227
67	.....	10	4	.....	60	.....	9	.....	.....	.....	.....	.....	.....	19
68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69	3,771	9,032	1,168	1,366	3,370	143	1,321	1,450	1,068	480	5,242	53	5,565	6,749
70	115	768	101	241	327	16	139	162	133	41	325	3	271	856
71	481	615	37	803	656	35	42	74	296	132	315	8	630	349
72	8	11	2	3	17	1	1	.....	17	6	46	.....	26	34
73	3,208	395	12	256	97	5	63	59	21	175	821	.....	594	1,228
74	5,520	601	25	545	866	100	270	.....	145	242	5,580	.....	1,393	5,144
75	17	31	14	41	77	5	18	3	32	14	157	.....	45	35
76	23,689	27,422	12,683	38,245	64,239	4,398	18,516	3,044	26,206	11,540	181,336	444	58,917	37,597
77	12	19	5	19	32	2	13	3	8	11	68	.....	38	27
78	19,001	25,191	4,970	21,702	31,899	1,800	13,504	2,307	7,338	9,231	102,482	268	52,009	30,260
79	4	1	.....	4	24	.....	3	.....	.....	2	59	.....	3	4
80	2,316	597	3,515	9,732	18,639	1,915	4,089	114	5,039	1,695	55,330	40	2,124	3,783
81	221	101	.....	98	.....	.....	.....	5	.....	2	5	.....	.....	67
82	765	1,295	.....	900	11	.....	.....	.....	.....	50	350	.....	20	1,700

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	907	994	1,347	1,523	4,003	703	566	791	2,379	1,253	636	332	1,544	2,118
2	183,432	160,799	268,097	295,812	525,737	73,830	45,162	143,616	692,019	243,030	258,421	35,764	231,288	394,666
3	79,823	51,342	120,537	105,685	164,07									

AGRICULTURE—MINNESOTA.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

		Rice.	Rock.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.
VALUE OF ALL CROPS										
1	Total.....dollars.....	2,014,730	2,463,846	318,956	919,360	1,807,505	1,039,917	3,117,610	5,384,327	2,548,707
2	Cereals.....dollars.....	2,110,966	2,043,051	430,443	24,439	1,380,174	558,392	2,678,817	4,178,067	1,611,384
3	Other grains and seeds.....dollars.....	32,511	11,516	111,428	1,617	4,808	0,500	23,384	161,822	20,310
4	Hay and forage.....dollars.....	463,143	315,685	163,021	309,399	261,776	148,105	291,130	617,326	404,707
5	Vegetables.....dollars.....	97,766	81,350	64,523	220,556	51,012	289,746	60,302	219,733	74,575
6	Fruits and nuts.....dollars.....	29,494	7,417	270	745	14,146	2,417	12,472	12,006	18,896
7	All other crops.....dollars.....	180,856	4,827	49,271	362,604	95,589	31,757	51,505	103,573	412,836
SELECTED CROPS (acres and quantity)										
Cereals:										
8	Total.....acres.....	124,418	185,193	38,416	1,531	78,539	51,636	157,232	264,842	103,719
9	.....bushels.....	3,647,307	4,906,901	706,936	44,214	2,230,773	1,236,645	4,287,299	7,008,396	2,594,220
10	Corn.....acres.....	28,682	60,051	143	84	16,911	21,458	32,290	38,167	20,310
11	.....bushels.....	981,233	2,108,071	4,424	3,026	671,422	582,779	1,229,667	1,215,107	851,063
12	Oats.....acres.....	33,967	63,404	11,650	1,008	15,680	15,347	25,078	72,695	21,057
13	.....bushels.....	1,250,004	2,082,469	298,330	31,069	601,878	445,734	988,002	2,694,415	657,586
14	Wheat.....acres.....	42,769	2,276	18,172	91	34,095	3,709	83,941	110,052	43,697
15	.....bushels.....	895,927	33,611	243,962	1,899	704,437	61,045	1,671,795	2,180,607	776,609
16	Emmer and spelt.....acres.....	280	484	92	30	52	236	157	125	224
17	.....bushels.....	7,907	12,279	1,723	850	1,683	4,715	4,443	3,449	5,399
18	Barley.....acres.....	10,570	38,235	5,201	186	4,240	895	13,225	23,597	11,479
19	.....bushels.....	468,340	603,059	150,467	3,941	115,600	10,052	341,620	654,100	282,833
20	Buckwheat.....acres.....	61	116	22	2	20	71	37	70	91
21	.....bushels.....	624	1,075	434	80	512	643	584	1,286	1,023
22	Rye.....acres.....	2,039	570	131	130	7,841	10,420	2,548	14,136	952
23	.....bushels.....	41,712	8,097	2,190	3,349	136,341	130,777	51,038	259,632	10,707
Other grains and seeds:										
24	Dry peas.....acres.....	3	.....	0	92	3	48	3	131	.....
25	.....bushels.....	11	5	62	1,324	87	922	53	3,344	8
26	Dry edible beans.....acres.....	133	40	184	10	15	78	2	27	4
27	.....bushels.....	1,154	487	7,000	1	72	907	77	732	57
28	Flaxseed.....acres.....	14,066	3,918	70,111	15	340	.....	1,632	8,438	1,304
29	.....bushels.....	49,639	35,384	50,237	24,862	28,237	25,720	10,027	90,161	14,285
30	Hay and forage.....acres.....	160,097	64,007	52,704	28,247	55,518	33,697	62,044	108,234	54,104
31	Total.....acres.....	26,687	21,125	4,503	19,028	8,272	10,613	12,840	31,133	19,817
32	All tame or cultivated grasses.....acres.....	51,260	38,791	4,921	20,629	17,148	12,281	22,525	50,001	37,286
33	Timothy alone.....acres.....	8,453	6,518	2,030	3,270	2,534	4,512	3,890	12,056	5,211
34	.....acres.....	15,948	10,864	2,190	3,517	5,077	4,893	6,336	18,215	9,027
35	Timothy and clover mixed.....acres.....	21,200	29,480	1,716	14,354	3,135	4,398	5,926	9,745	11,491
36	.....acres.....	3,171	548	66	15,787	6,880	5,430	10,988	16,921	22,611
37	Clover alone.....acres.....	6,358	29	58	180	1,029	1,036	383	2,235	784
38	.....acres.....	52	29	10	240	2,245	1,509	776	3,044	1,748
39	Alfalfa.....acres.....	147	80	15	2	61	6	23	40	40
40	.....acres.....	315	328	32	46	244	10	73	86	86
41	Millet or Hungarian grass.....acres.....	627	725	33	82	122	53	83	324	40
42	.....acres.....	4,160	403	971	1,178	1,371	313	150	396	80
43	Other tame or cultivated grasses.....acres.....	6,920	760	909	1,021	2,327	377	2,535	6,733	2,251
44	.....acres.....	19,021	13,643	45,564	2,901	4,041	10,752	4,041	10,752	3,734
45	Wild, salt, or prairie grasses.....acres.....	35,628	23,070	47,496	5,569	19,940	48,577	75,078	31,442	46,647
46	.....acres.....	39	23	129	714	37,303	18,342	106,687	46,647	46,647
47	Grains cut green.....acres.....	152	52	168	64	101	75	40	186	186
48	.....acres.....	3,890	593	33	150	289	1,046	75	87	391
49	Coarse forage.....acres.....	13,020	2,094	71	884	972	2,379	1,540	1,967	2,657
50	.....acres.....	1,411	2,748	777	2,378	1,033	9,908	1,153	3,938	1,342
51	Potatoes.....acres.....	150,742	220,880	110,120	355,537	108,268	068,073	135,022	486,540	138,300
52	All other vegetables.....acres.....	767	118	423	539	381	357	599	1,394	461
53	Sugar beets.....acres.....	86	.....	.....	.....	18	30	47	93	93
54	.....acres.....	1,060	.....	.....	.....	823	32	3	591	944
55	Maple trees.....number.....	2,908	.....	.....	40	1,613	15	102	244	110
56	Maple sugar (made).....pounds.....	125	.....	.....	.....	100	.....	25	.....	.....
57	Maple sirup (made).....gallons.....	1,228	.....	.....	8	658	.....	29	56	123
58	Cane, sorghum.....acres.....	37	.....	.....	.....	67	32	88	65	2
59	.....acres.....	332	.....	.....	1	443	122	607	441	156
60	Sirup (made).....gallons.....	2,504	.....	5	.....	5,955	1,328	8,468	5,854	155
61	.....gallons.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62	.....gallons.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FRUITS AND NUTS										
63	Total.....trees.....	43,077	16,102	62	292	21,458	3,855	19,031	19,007	36,472
64	.....bushels.....	31,464	8,959	9	137	17,094	1,068	14,897	8,237	18,762
65	Apples.....trees.....	39,474	11,690	2	235	18,742	2,700	16,201	14,201	32,091
66	.....bushels.....	31,173	8,770	1	132	16,754	1,042	14,316	8,248	18,404
67	Peaches and nectarines.....trees.....	24	50	.....	.....	51	.....	3	.....	8
68	.....bushels.....	11	15	.....	.....	15	.....	1	.....	.....
69	Plums and prunes.....trees.....	3,442	3,955	42	47	2,448	1,020	3,239	3,739	3,145
70	.....bushels.....	287	154	8	4	320	23	544	143	310
71	Cherries.....trees.....	118	395	18	10	180	126	268	882	127
72	.....bushels.....	3	17	.....	.....	5	.....	27	39	6
73	Grapes.....vines.....	896	84	.....	.....	841	343	557	947	602
74	.....pounds.....	7,851	435	.....	.....	5,177	290	3,504	4,440	5,251
75	Small fruits.....acres.....	43	12	4	7	20	12	28	22	29
76	Total.....acres.....	48,319	9,280	1,591	5,092	23,339	10,152	17,082	24,172	35,529
77	Strawberries.....acres.....	26	12	1	4	7	9	14	12	20
78	Raspberries and loganberries.....acres.....	31,702	8,749	637	3,080	10,781	7,542	9,898	14,757	27,444
79	.....acres.....	13	2	2	2	7	2	11	6	9
80	Nuts.....trees.....	13,810	120	340	1,489	7,450	1,825	5,709	5,852	6,032
81	.....pounds.....	22	2,394	.....	.....	60	.....	40	157	192
82	.....pounds.....	1,400	300	.....	.....	1,240	.....	350	350	1,311

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....Farms reporting.....dollars.....	1,304	905	803	1,165	795	515	1,350	2,513	1,090
2	Cash expended.....dollars.....	196,717	215,256	61,700	197,735	123,127	62,532	228,055	403,121	182,127
3	Rent and board furnished.....dollars.....	59,589	78,902	20,947	56,880	41,128	23,695	93,619	147,653	68,085
4	Fertilizer.....Farms reporting.....dollars.....	10	4	3	36	8	10	5	17	4
5	Amount expended.....dollars.....	571	240	08	1,336	820	213	243	771	205
6	Feed.....Farms reporting.....dollars.....	838	308	753	1,670	487	449	586	1,268	830
7	Amount expended.....dollars.....	56,805	44,016	45,144	233,145	43,045	31,715	32,092	72,827	65,678
8	Receipts from sale of feedable crops.....dollars.....	222,164	745,717	20,224	15,933	50,279	09,054	62,741	325,181	52,310

AGRICULTURE—MINNESOTA.

AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Stevens.	Swift.	Todd.	Traverse.	Wabasha.	Wadena.	Waseca.	Washing- ton.	Watson- wan.	Wilkin.	Winona.	Wright.	Yellow Medicine.
1	2,335,888	3,097,049	1,971,992	2,720,022	2,736,692	512,294	2,158,781	2,129,792	1,901,576	2,415,556	2,712,087	3,477,587	3,525,571
2	1,914,060	2,701,830	1,223,557	2,333,956	1,991,640	263,978	1,734,609	1,291,178	1,528,960	2,010,119	1,905,936	2,586,307	2,980,078
3	143,209	103,852	40,506	171,316	96,940	13,170	23,871	16,422	32,144	123,043	69,871	13,147	185,428
4	230,594	226,318	395,985	176,589	343,904	136,990	290,891	463,802	272,991	187,102	437,321	456,393	272,573
5	37,173	54,332	181,053	34,700	138,553	52,401	56,627	245,008	41,909	90,159	140,143	208,349	61,731
6	1,599	4,556	9,484	2,535	30,019	4,486	15,224	39,261	13,197	1,464	43,060	33,097	10,683
7	3,153	6,161	121,407	916	135,636	45,269	37,559	74,121	12,375	3,671	115,756	175,294	14,198
8	141,053	199,181	93,250	167,592	140,470	31,140	114,532	80,619	109,368	169,904	136,330	135,433	223,556
9	3,329,889	4,791,516	2,089,840	3,824,840	3,968,412	518,392	2,770,886	2,533,926	3,564,741	3,243,700	3,788,077	4,078,149	5,802,943
10	12,415	25,168	14,111	13,769	25,069	7,753	30,727	14,823	42,270	7,744	23,502	37,207	61,674
11	326,935	790,078	448,403	400,533	866,271	214,186	1,075,708	586,125	1,637,835	236,844	922,948	1,509,337	1,683,022
12	40,463	53,648	25,804	39,887	30,960	11,536	15,352	33,155	47,116	50,099	35,589	10,016	61,833
13	1,402,682	1,861,817	722,298	1,346,148	1,116,886	164,461	493,112	1,174,099	1,574,000	1,243,065	1,109,273	759,700	2,174,813
14	62,332	85,016	36,082	86,358	9,458	4,898	58,346	9,851	13,357	89,955	3,370	65,448	70,892
15	1,022,204	1,396,648	566,915	1,487,530	176,935	47,761	977,335	219,419	226,009	1,338,601	67,111	1,335,441	1,130,464
16	473	722	214	395	364	23	195	67	39	676	469	65	771
17	13,497	19,291	5,616	11,627	10,780	259	6,379	1,711	859	13,440	12,600	2,120	18,880
18	25,122	30,906	7,624	25,484	67,990	1,115	7,196	13,761	5,032	20,158	65,280	11,258	37,032
19	560,456	673,650	181,685	552,934	1,682,961	17,079	169,011	385,627	101,692	388,965	1,559,815	335,540	716,842
20	74	98	94	116	65	100	73	288	110	12	581	1	302
21	1,258	1,440	1,451	767	820	949	941	4,105	1,723	93	10,997	8	4,059
22	174	3,623	9,321	1,683	6,564	5,065	2,693	8,694	1,444	1,260	2,235	4,438	907
23	2,657	49,192	163,472	25,301	123,759	71,697	48,340	162,870	22,528	23,192	43,333	83,997	14,363
24			5					1	12	11		8	
25			63	2				31	142	110	2	126	
26	14	10	491	17	6	77	2	124	9	5	15	61	13
27	299	239	5,165	75	93	880	71	2,430	100	47	85	738	210
28	9,859	8,062	1,293	12,207	1,803	213	1,002	415	1,273	12,895	1,102	90	11,205
29	90,240	67,777	12,119	101,197	26,216	1,135	10,479	5,949	11,698	76,848	12,090	1,140	114,899
30	45,324	46,091	59,937	37,359	29,220	25,071	44,434	34,158	42,372	45,837	40,000	51,639	43,378
31	58,432	60,790	92,634	44,500	60,240	31,727	84,033	62,250	76,113	47,741	75,319	107,633	77,405
32	21,032	14,400	24,963	17,433	26,267	11,415	13,230	28,246	17,184	15,488	37,622	24,406	17,158
33	27,353	19,013	41,864	21,163	53,890	13,762	26,340	47,696	30,397	16,641	70,052	53,698	28,018
34	16,701	11,666	7,799	15,107	5,524	2,104	4,539	6,211	12,619	6,211	12,589	0,983	10,281
35	20,957	15,087	10,840	17,611	10,440	2,178	8,621	19,252	9,770	12,984	21,532	14,788	15,620
36	3,228	1,463	14,639	17,892	17,882	7,268	6,471	14,159	9,688	1,702	23,283	13,300	5,149
37	4,497	2,071	26,784	1,356	37,409	9,056	13,317	25,486	18,254	1,057	45,195	30,146	9,596
38	59	110	1,413	69	2,496	986	544	1,092	213	3	1,223	1,600	151
39	87	160	2,001	91	5,414	1,343	1,131	2,308	341	6	2,422	3,479	293
40	7	9	13	28	5	3	16	5	31	3	47	33	26
41	8	23	34	58	12	6	48	8	82	5	113	120	60
42	410	315	89	938	21	96	24	70	79	662	87	67	471
43	799	516	118	1,680	52	125	36	132	146	1,482	226	147	985
44	627	837	1,010	299	339	958	1,636	301	957	229	312	2,363	1,080
45	1,005	1,156	1,487	367	554	1,054	3,187	510	1,804	207	564	5,018	1,464
46	23,310	29,130	34,154	18,925	2,645	12,644	30,268	4,224	23,295	28,416	1,505	20,710	28,300
47	27,959	36,177	48,379	20,691	5,052	15,600	53,617	6,294	38,534	25,733	1,473	52,017	42,814
48	45	258	194	8	8	141		15	193	677	17	0	363
49	66	285	403	104	12	146		27	332	904	28	16	721
50	937	2,303	599	949	300	870	936	1,623	1,700	1,256	954	447	2,456
51	3,053	5,315	1,896	2,542	1,286	2,157	4,070	8,122	6,850	4,463	3,753	1,703	6,352
52	825	1,188	4,504	815	1,618	1,055	1,039	5,707	662	2,537	2,531	3,595	1,348
53	89,766	145,421	553,493	84,545	103,123	173,283	107,100	758,162	69,430	247,160	308,444	478,389	124,005
54	283	235	791	113	1,447	200	380	763	269	242	772	1,035	320
55	3			109			57	27			65	15	
56	36			1,205			461	272			637	164	2
57			3,432	220			333	6		20	15	5,138	
58			710									834	
59			694		22		162	3				1,653	
60			23		2		64	6				180	
61			7		6	4	541	40				1,640	
62		145	1,448		103	13	5,025	582		428		18,072	
63	4,147	11,958	9,498	4,671	34,759	618	27,180	24,790	23,064	1,629	46,560	51,648	23,909
64	948	2,398	3,933	871	41,511	76	21,751	15,162	14,316	365	39,443	32,090	8,573
65	2,521	8,427	5,770	2,466	32,467	204	25,625	10,767	16,942	719	40,921	45,801	17,217
66	882	2,236	3,379	783	41,004	29	21,665	14,744	14,032	264	38,131	31,620	8,384
67		10	53	3				12			41	20	132
68		3	24	3				5			3	6	1
69	1,507	3,205	3,419	2,002	2,098	323	1,432	4,844	4,822	832	4,165	5,225	5,044
70	64	149	508	83	480	44	86	407	245	90	1,214	444	172
71	95	272	254	190	189	91	120	104	737	77	1,416	584	771
72	2	10	22	2	25	3		2	21	5	93	19	16
73	11	2	53	13	303		255	1,128	377	15	841	1,337	201
74	20	20	1,122	165	1,455		745	1,708	1,580	150	6,315	5,801	183
75	9	19	32	8	37	5	23	178	17	11	161	82	30
76	5,662	14,043	39,849	9,738	42,400	3,102	20,254	234,313	19,765	8,065	261,797	92,609	31,077
77	7	13	5	5	19	1	17	85	12	7	90	30	33
78	3,837	9,491	25,751	6,344	27,070	2,021	13,784	131,223	16,446	4,091	195,113	54,642	27,036
79	1	4	12	2	14	1	3	77	2	1	52	33	1
80	621	2,830	9,866	1,893	12,848	453	4,907	89,901	1,511	913	53,980	20,794	1,320
81			165	445	80				76		577	142	31
82			340	50	3,180		60		1,372		10,210	2,423	425

AND RECEIPTS, BY COUNTIES: 1909—Continued.

1	897	1,292	1,244	743	1,406	306	1,080	1,252	660	827	1,435	1,616	1,335
2	188,296	253,476	98,910	213,437	352,323	23,075	162,330	242,539	107,905	277,211	313,984	159,418	273,133
3	68,807	97,374	27,896	58,937	93,626	5,257	61,408	80,132	42,529	76,396	88,234	61,654	90,886
4	1	3	1	22	4	1	1	32	6	3	60	41	2
5	11	69	63	25	774	140	5	1,289	187	165	1,249	949	125
6	374	482	957	340	629	514	655	620	352	431	666	1,176	535
7	80,963	28,434	33,294	29,528	48,069	33,994	58,856	54,751	30,095	35,910	53,914	59,464	32,244
8	315,330	370,763	56,564	201,291	707,310	30,168	41,432	358,923	353,719	174,403	743,765	86,084	526,932

AGRICULTURE—MINNESOTA.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

	THE STATE.	Aitkin.	Anoka.	Becker.	Beltrami.	Benton.	Big Stone.	Blue Earth.	Brown.	Carlton.	
1	Inclusures reporting domestic animals...	50,412	201	325	455	286	388	288	995	725	374
2	Value of domestic animals.....dollars..	12,862,351	68,183	69,322	123,224	146,846	80,926	86,446	226,432	122,990	109,272
3	Cattle:										
4	Total number.....	53,946	464	299	633	310	509	349	1,184	757	696
5	Value.....dollars..	1,721,245	11,933	10,686	16,946	10,034	15,053	10,277	36,503	21,671	22,088
6	Number of dairy cows.....	40,979	245	251	441	225	343	236	780	635	461
7	Horses:										
8	Total number.....	83,654	364	488	878	843	489	544	1,516	834	548
9	Value.....dollars..	10,809,499	52,732	58,135	104,780	131,981	64,703	74,376	184,049	99,110	86,845
10	Number of mature horses.....	82,340	358	481	860	835	468	525	1,472	816	543
11	Mules and asses and burros:										
12	Total number.....	1,117	13	.....	5	19	5	10	5	3	
13	Value.....dollars..	193,431	2,350	.....	690	3,090	335	1,450	2,070	725	
14	Number of mature mules.....	977	13	.....	5	16	5	6	9	4	
15	Swine:										
16	Total number.....	10,365	37	42	73	144	55	40	220	178	20
17	Value.....dollars..	125,603	666	501	668	1,741	491	293	2,747	1,414	109
18	Sheep and goats:										
19	Total number.....	2,535	1	.....	21	.....	71	14	19	19	3
20	Value.....dollars..	12,573	2	.....	140	.....	284	50	63	70	10

	Carver.	Cass.	Chippewa.	Chisago.	Clay.	Clear-water.	Cook.	Cotton-wood.	Crow Wing.	Dakota.	Dodge.	
1	Inclusures reporting domestic animals...	470	222	329	247	394	100	27	487	532	626	427
2	Value of domestic animals.....dollars..	77,072	95,950	72,089	55,477	92,558	50,660	10,039	89,244	115,708	143,950	101,291
3	Cattle:											
4	Total number.....	412	332	331	268	461	102	46	550	665	822	484
5	Value.....dollars..	12,233	9,984	9,408	7,941	15,021	2,871	1,364	16,620	17,513	30,046	15,954
6	Number of dairy cows.....	335	223	268	203	392	74	24	457	518	445	378
7	Horses:											
8	Total number.....	533	496	503	392	648	268	64	666	776	754	677
9	Value.....dollars..	63,900	79,026	62,204	46,955	77,050	41,020	8,675	69,800	97,387	93,503	84,570
10	Number of mature horses.....	525	487	499	386	640	267	64	659	762	741	668
11	Mules and asses and burros:											
12	Total number.....	1	24	3	.....	1	34	.....	9	1	7	2
13	Value.....dollars..	50	5,600	260	.....	50	6,700	.....	875	25	1,075	250
14	Number of mature mules.....	1	24	2	.....	1	34	.....	9	.....	7	2
15	Swine:											
16	Total number.....	155	67	17	38	25	8	.....	153	50	1,106	27
17	Value.....dollars..	878	983	214	554	402	78	.....	1,712	688	18,001	281
18	Sheep and goats:											
19	Total number.....	3	84	1	6	11	.....	.....	57	28	104	54
20	Value.....dollars..	11	357	3	27	35	.....	.....	237	95	725	236

	Douglas.	Faribault.	Fillmore.	Freeborn.	Goodhue.	Grant.	Hennepin.	Houston.	Hubbard.	Isanti.	Itasca.	
1	Inclusures reporting domestic animals...	503	799	928	492	926	251	5,786	427	332	145	395
2	Value of domestic animals.....dollars..	94,718	165,079	177,547	120,088	200,710	54,836	2,062,893	79,556	80,889	32,181	109,804
3	Cattle:											
4	Total number.....	699	843	905	516	1,160	280	2,527	584	482	319	455
5	Value.....dollars..	17,645	27,152	30,254	14,650	35,721	8,526	94,635	17,991	13,705	7,175	17,323
6	Number of dairy cows.....	485	643	690	353	879	224	2,204	433	344	218	349
7	Horses:											
8	Total number.....	692	1,215	1,216	870	1,305	367	14,127	496	548	217	651
9	Value.....dollars..	75,325	132,295	141,367	103,680	161,918	39,384	1,920,504	58,304	74,567	24,655	91,355
10	Number of mature horses.....	671	1,177	1,203	854	1,235	364	14,069	482	539	211	643
11	Mules and asses and burros:											
12	Total number.....	8	7	29	2	9	29	241	15	6	1	2
13	Value.....dollars..	650	580	4,765	270	1,368	6,825	44,823	2,050	625	5	200
14	Number of mature mules.....	4	1	29	.....	8	25	228	15	.....	.....	2
15	Swine:											
16	Total number.....	97	307	85	84	148	17	263	164	47	24	52
17	Value.....dollars..	747	4,761	1,123	1,403	1,470	91	2,684	1,206	649	253	849
18	Sheep and goats:											
19	Total number.....	35	57	5	15	41	4	29	1	102	29	16
20	Value.....dollars..	151	291	38	85	233	10	184	5	343	93	72

	Jackson.	Kanabec.	Kandi-yohi.	Kittson.	Koochi-ching.	Lac qui Parle.	Lake.	Le Sueur.	Lincoln.	Lyon.	McLeod.	
1	Inclusures reporting domestic animals...	410	98	507	220	50	329	183	534	241	616	652
2	Value of domestic animals.....dollars..	86,128	23,995	95,885	51,293	19,640	83,574	82,070	64,225	55,768	144,855	140,266
3	Cattle:											
4	Total number.....	478	128	709	457	122	334	312	460	263	715	717
5	Value.....dollars..	14,203	3,688	18,222	12,196	3,770	10,566	12,316	13,638	9,231	21,845	23,934
6	Number of dairy cows.....	384	92	499	296	52	202	236	340	226	556	566
7	Horses:											
8	Total number.....	593	149	637	339	118	599	334	448	378	930	880
9	Value.....dollars..	67,185	20,145	73,436	38,333	15,495	68,935	68,850	48,633	44,005	118,370	115,106
10	Number of mature horses.....	573	148	623	328	116	588	332	434	369	904	857
11	Mules and asses and burros:											
12	Total number.....	11	.....	8	.....	.....	7	1	5	3	5	5
13	Value.....dollars..	1,395	.....	1,450	.....	.....	1,938	90	525	350	700	420
14	Number of mature mules.....	10	.....	8	.....	.....	5	1	4	1	4	5
15	Swine:											
16	Total number.....	258	11	47	71	14	146	23	161	35	311	98
17	Value.....dollars..	3,327	162	425	701	247	2,190	311	1,419	281	3,930	737
18	Sheep and goats:											
19	Total number.....	5	.....	26	13	23	1	1	2	313	4	14
20	Value.....dollars..	18	.....	52	63	128	5	3	10	1,301	10	69

AGRICULTURE—MINNESOTA.

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910—Continued.

	Mahnomen.	Marshall.	Martin.	Meeker.	Mille Lacs.	Morrison.	Mower.	Murray.	Nicollet.	Nobles.	Norman.	
1	Incllosures reporting domestic animals...	102	178	549	426	344	682	837	308	385	572	342
2	Value of domestic animals.....dollars..	30,566	39,556	131,606	85,840	77,230	140,654	173,332	66,270	69,221	126,057	63,151
3	Cattle:											
4	Total number.....	245	369	508	404	511	924	680	400	425	743	566
5	Value.....dollars..	6,308	8,101	17,575	14,059	14,055	25,063	22,777	11,714	12,451	25,765	14,180
6	Number of dairy cows.....	146	229	368	401	377	726	554	294	327	497	392
7	Horses:											
8	Total number.....	221	238	972	624	570	885	1,215	484	523	827	419
9	Value.....dollars..	23,780	30,455	112,398	69,760	62,135	113,210	145,499	50,305	56,419	93,447	48,021
10	Number of mature horses.....	213	236	955	621	560	856	1,188	473	515	813	401
11	Mules and asses and burros:											
12	Total number.....	2	4	3	3	3	3	7	15	2	13	7
13	Value.....dollars..	200	550	200	300	475	565	2,750	100	1,485	676	676
14	Number of mature mules.....	2	4	3	3	3	3	4	12	1	12	4
15	Swine:											
16	Total number.....	32	27	149	55	97	213	231	115	28	376	20
17	Value.....dollars..	278	405	1,253	618	939	1,847	4,466	1,501	251	4,334	188
18	Sheep and goats:											
19	Total number.....		5	28	39	21	19	5			129	15
20	Value.....dollars..		15	180	203	71	59	25			1,026	92

	Olmsted.	Otter Tail.	Pennington.	Pine.	Pipestone.	Polk.	Pope.	Ramsey.	Red Lake.	Redwood.	Renville.	
1	Incllosures reporting domestic animals...	732	1,112	243	334	389	724	312	3,460	234	455	549
2	Value of domestic animals.....dollars..	155,345	211,520	38,315	60,351	61,700	189,938	69,036	1,228,295	43,846	136,923	125,460
3	Cattle:											
4	Total number.....	782	1,380	273	520	393	900	396	1,234	495	599	881
5	Value.....dollars..	24,786	41,056	8,718	15,077	13,365	29,786	11,446	43,857	11,972	18,863	35,236
6	Number of dairy cows.....	584	1,097	242	366	356	740	312	1,107	346	833	522
7	Horses:											
8	Total number.....	1,168	1,490	245	393	471	1,154	463	8,510	247	958	731
9	Value.....dollars..	126,647	166,899	29,650	44,178	45,100	156,868	55,835	1,150,913	31,320	100,707	86,770
10	Number of mature horses.....	1,140	1,443	240	378	459	1,130	451	8,483	243	926	723
11	Mules and asses and burros:											
12	Total number.....	5	12	2	4	24	14	9	173		18	6
13	Value.....dollars..	825	1,700	300	500	1,875	2,060	1,235	32,800		3,784	395
14	Number of mature mules.....	4	12	1	4	17	11	8	161		17	2
15	Swine:											
16	Total number.....	231	197	16	92	51	63	21	65	61	413	241
17	Value.....dollars..	2,761	1,737	124	518	533	957	163	344	417	7,395	3,089
18	Sheep and goats:											
19	Total number.....	61	39	3	10	166	70	93	101	35	29	
20	Value.....dollars..	320	128	23	78	836	267	357	381	137	174	

	Rice.	Rock.	Roseau.	St. Louis.	Scott.	Sherburne.	Sibley.	Stearns.	Steele.	Stevens.	Swift.	
1	Incllosures reporting domestic animals...	928	378	119	3,712	354	209	381	1,433	534	232	420
2	Value of domestic animals.....dollars..	191,707	134,831	35,644	1,213,684	80,130	43,307	73,982	271,572	118,040	53,274	96,230
3	Cattle:											
4	Total number.....	640	382	235	4,915	407	324	435	1,637	543	241	679
5	Value.....dollars..	20,283	13,755	6,768	108,255	13,270	10,261	12,943	47,171	19,841	6,952	20,064
6	Number of dairy cows.....	489	285	158	4,184	334	245	356	1,300	447	192	442
7	Horses:											
8	Total number.....	1,423	982	178	5,842	486	298	495	1,853	761	384	641
9	Value.....dollars..	167,675	112,508	28,334	994,831	65,310	31,036	60,460	220,439	95,671	46,007	73,722
10	Number of mature horses.....	1,412	671	168	5,790	478	290	490	1,821	748	380	611
11	Mules and asses and burros:											
12	Total number.....	7	7		93	5		2	9	10		1
13	Value.....dollars..	2,280	2,000		17,560	700		100	950	2,407		75
14	Number of mature mules.....	3	6		92	5		9	9	10		1
15	Swine:											
16	Total number.....	189	388	11	231	126	142	58	309	45	20	165
17	Value.....dollars..	1,458	6,071	163	2,576	847	2,010	412	2,930	621	220	2,095
18	Sheep and goats:											
19	Total number.....	3	38	56	63	1		14	19			60
20	Value.....dollars..	11	497	379	462	3		67	82			274

	Todd.	Traverse.	Wabasha.	Wadena.	Wasoca.	Washington.	Watson.	Wilkin.	Winona.	Wright.	Yellow Medicine.	
1	Incllosures reporting domestic animals...	607	264	677	229	406	807	392	217	961	726	426
2	Value of domestic animals.....dollars..	108,348	75,298	170,686	46,023	63,759	186,489	87,662	57,031	205,936	155,478	99,291
3	Cattle:											
4	Total number.....	964	262	673	263	458	894	563	309	675	949	581
5	Value.....dollars..	26,660	8,401	21,280	8,257	12,709	27,406	18,240	10,380	21,050	30,399	16,483
6	Number of dairy cows.....	726	209	532	200	333	651	426	248	489	647	460
7	Horses:											
8	Total number.....	776	477	1,155	299	465	1,091	550	373	1,464	998	747
9	Value.....dollars..	79,354	62,229	144,901	37,194	49,756	154,524	66,225	45,940	183,230	121,030	79,319
10	Number of mature horses.....	743	449	1,128	293	454	1,072	553	365	1,442	977	723
11	Mules and asses and burros:											
12	Total number.....	6	18	17		2	18	9	2	7	11	21
13	Value.....dollars..	820	4,250	3,805		500	2,950	1,850	225	783	1,465	3,035
14	Number of mature mules.....	6	3	12			15	5	2	4	7	16
15	Swine:											
16	Total number.....	106	46	117	37	83	163	110	20	69	238	40
17	Value.....dollars..	1,233	318	1,122	572	676	1,585	1,239	250	777	2,561	362
18	Sheep and goats:											
19	Total number.....	53	1	17		13	5	1	65	18	6	1
20	Value.....dollars..	281	100	78		58	24	8	236	96	23	2